1Goal Analytics

Exploring the limit of knowledge

DATA SCIENCE & ANALYTICS
BROCHURE

www.1goalanalytic.com

TABLE OF
CONTENT

The purpose of this training is to provide you with the right skills and knowledge needed to break into various job roles in analytics and data science domain. 1 Goal Analytics has collaborated with the industry to create a program that trains candidates specifically for roles such as Data Management Administrator, Data Scientist, Data Analyst and Data Engineer. We are committed in teaching relevant analytics techniques, tools, technologies, and hands-on applications through industry case.

PROGRAM FEATURES

The programme runs for a period of 3 months, 4 weeks for the training, then next is the Capstone Project phase. Candidates can request a mentor when they have a confirmed interview in Data Analysis.

ON COMPLETING THIS PROGRAM, YOU WILL:

- » Be knowledgeable and well verse in analytics tools and technologies such as Python Programming Language, SQL. Data Science, Power Bi, Big Data, Data Analytics
- » Acquire skills in advance mathematics for statistical analysis and Predictive Modelling
- » Apply Neural Network Architecture and methods to AI
- » Perform statistical Process and concepts for Data Analysis and visualisation
- » Be well verse in creating Data Science Models to solve real-world problems
- » Apply machine learning techniques such as Regression, Predictive Modelling, Clustering, Time Series Forecasting, Classification, etc.
- » Perform Data Cleaning and Data Transformation Operations using Power BI, other several tools and techniques

YOU WILL ALSO DEVELOP THE FOLLOWING SOFT SKILLS:

» Communication and Data Storytelling to explain complex technical insights Acquire skills in advance mathematics for statistical analysis and Predictive Modelling

» Adaptability in a field with continuous technological challenges

» Ethical decision-making to ensure responsible data use

» Critical thinking and Problem-solving to draw insights and opportunities in data
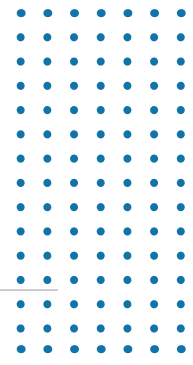
EXCEL COURSE OUTLINE

WEEK 1
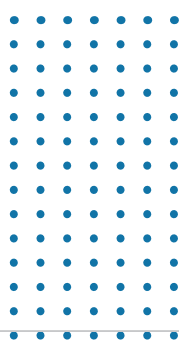
INTRODUCTION TO DATA ANALYSIS

- Overveiw of Data Analysis

- Importance of Data Analysis

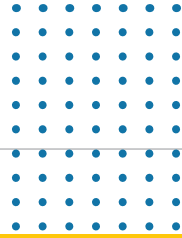- Types of Data Analysis

- Tools for Data Analysis

INTRODUCTION TO SPREADSHEET

- Microsoft Excel and the Interface

- Excel Cell, rows and columns

- Sorting and filtering

- Cell References

INTRODUCTION TO SPREADSHEET

- Count/ CountIF

- Sum / SumIF

- Average / AverageIF

- Max & Min / MaxiF & MinIF

- AutoSum

WEEK 2

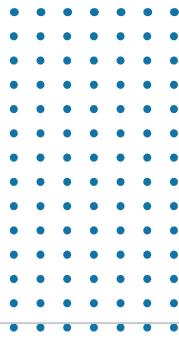## LOGICAL FUNCTION

- IF Statement

- IF Error

- OR & AND

- CountIFs

- SumIFs

- AverageIFs

- MaxiFs & MinIFs

LOOK UP FUNCTION
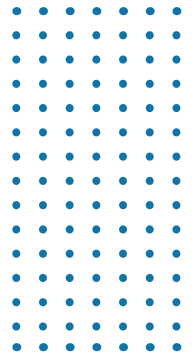
- VLOOKUP

- HLOOKUP

- INDEX AND MATCH

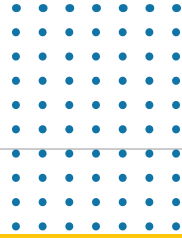- XLOOKUP

WEEK 3

PIVOT TABLE AND PIVOT CHART

- Pivot Table

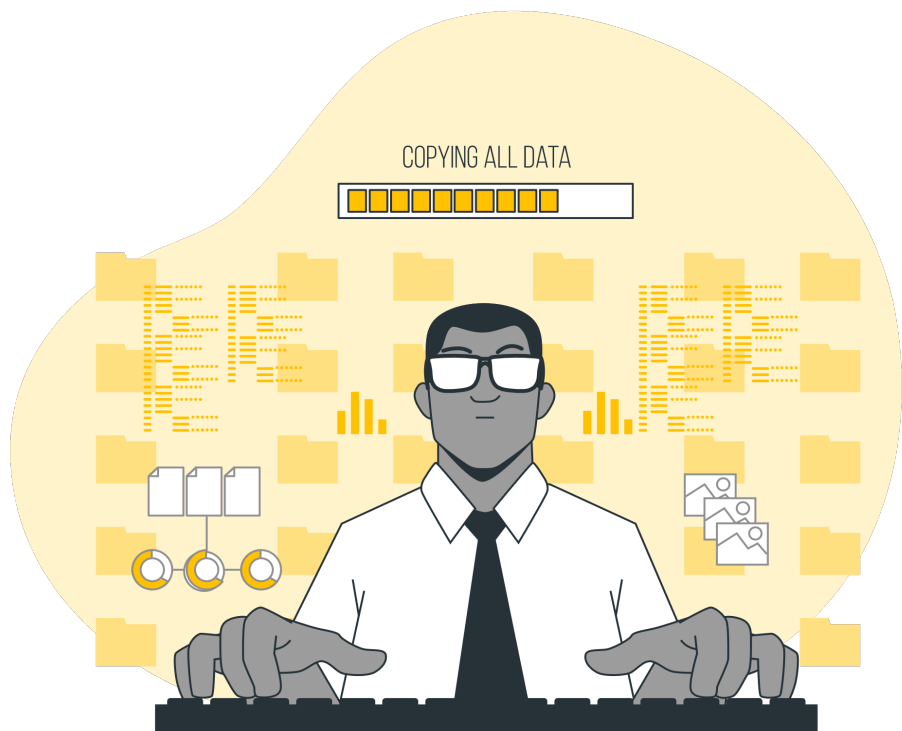- Pivot Chart

- Build an interactive Dashboard
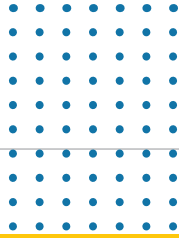
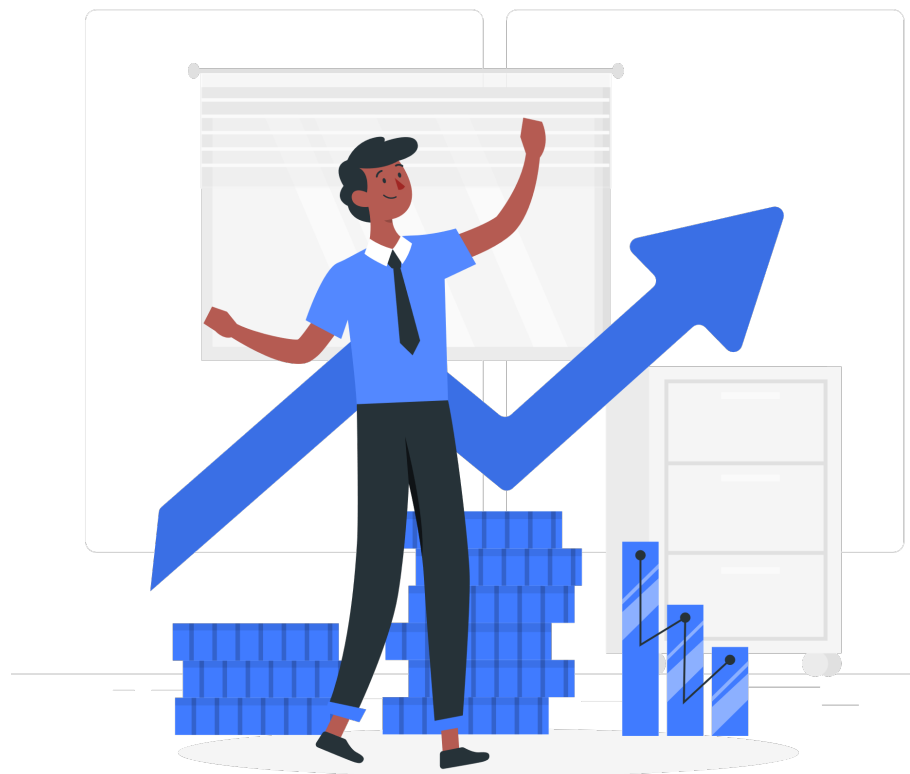# SQL COURSE OUTLINE

WEEK 1

INTRODUCTION TO SQL

- What is database

- Database Management System

- Concept of Primary and Foreign keys

- Types of Relational Database Manament System

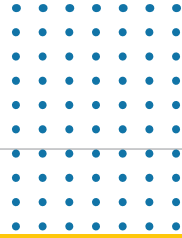- SQL Installation Process

COPYING ALL DATA

WEEK 2

SQL SYNTAX

- Fundamental SQL Statement

- Filtering

- Ordering

- Alias

- Aggregation

- Group by

- Condition Statement

WEEK 3

SQL JOINS

- Understanding Joins

- Types of Joins

- Union

WEEK 4
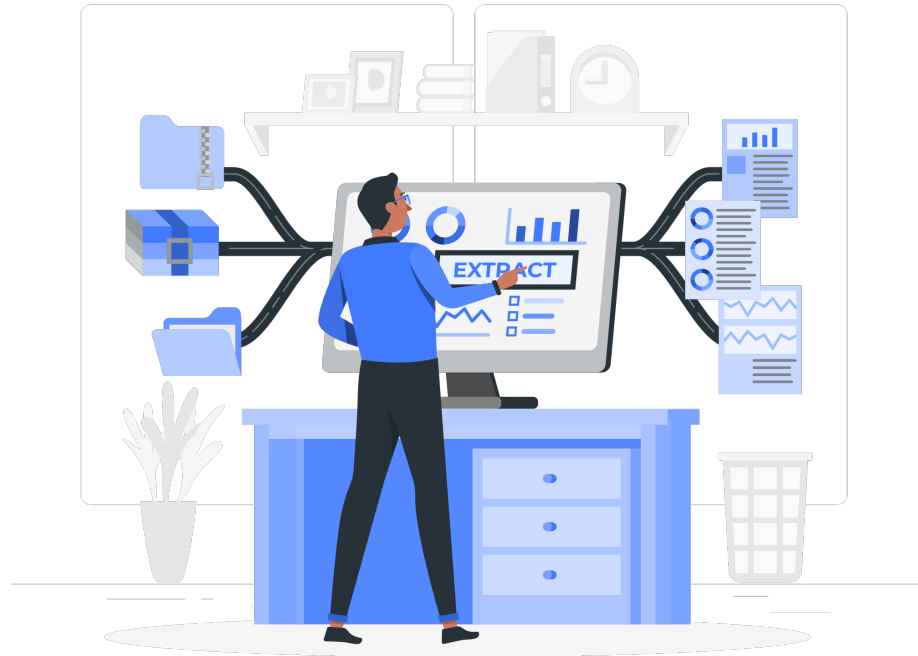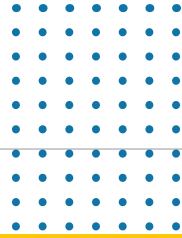
OTHER SQL FUNCTIONS

- Math function

- Date and Time function

- String function

- Data Type conversion

- Subqueries

- Window function

Aggregate Functions

count()
sum()
avg()
max()
min()
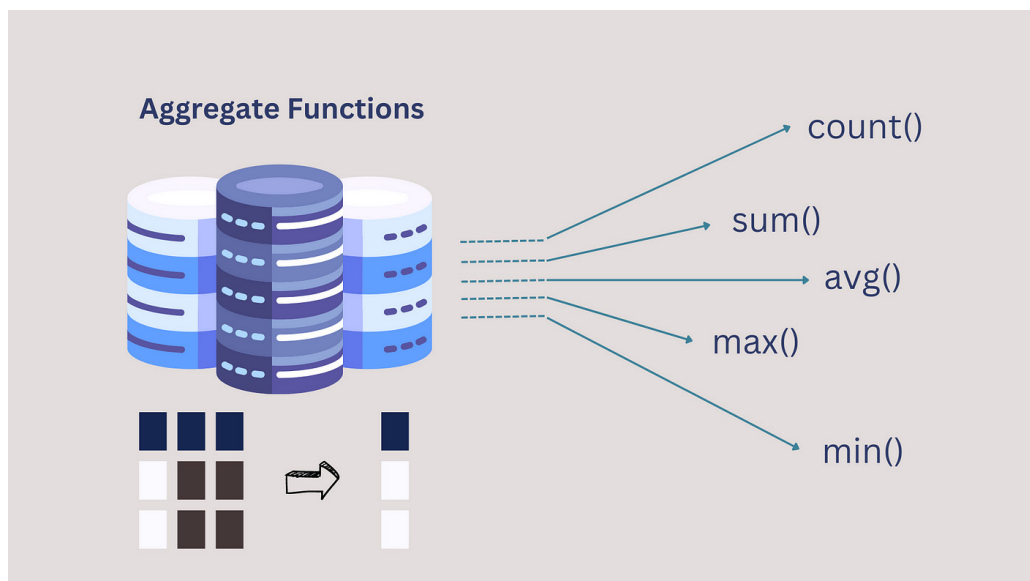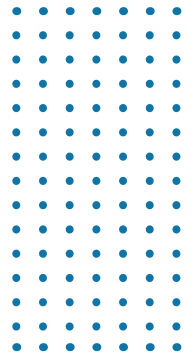
POWER BI COURSE OUTLINE

WEEK 1
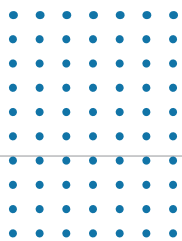
INTRODUCTION TO POWER BI

- Overview

- Importance of Power BI

- Power BI Ecosystem

- Power BI Framework

WEEK 2
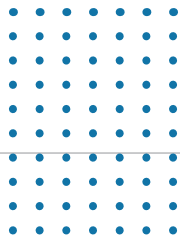
POWER QUERY

- Power Query Environment

- Data Transformation

WEEK 3
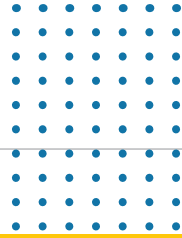
DATA MODELING

- What is Data Modelling

- Cardinality

- Star Schema

- Concept of Fact and Dimension Table
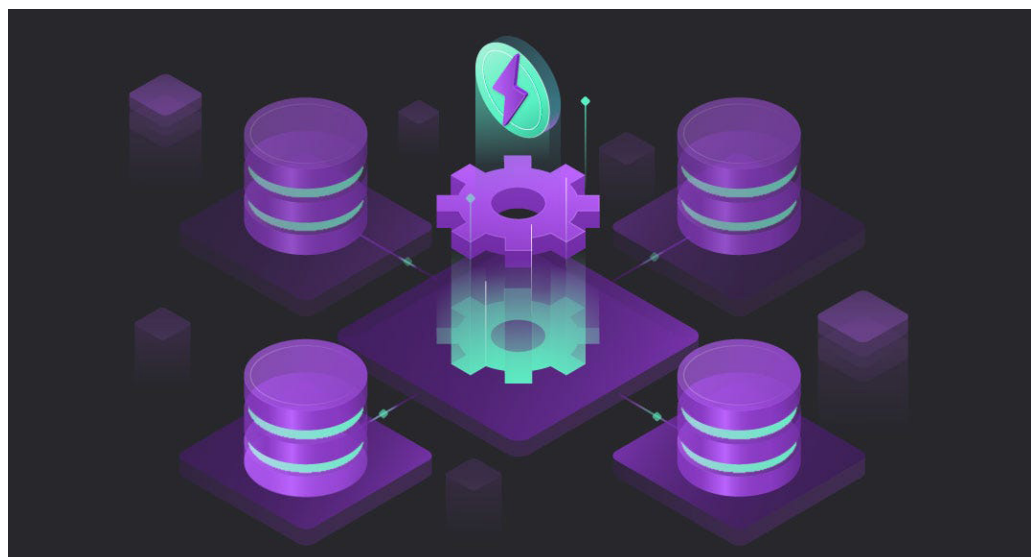
WEEK 4
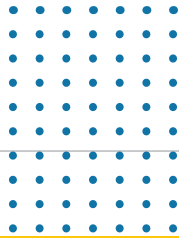
INTODUCTION TO DAX

- Introduction to DAX

- Math and Stats Function

- Logical Function

- Text Function

- Filter Function

- Date & Time Function

BUILD A REPORT/ DASHBOARD
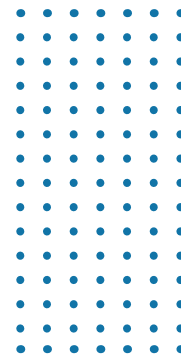
INTRODUCTION TO PYTHON

WEEK 1

INTRODUCTION TO PYTHON

- Python for Data Analysis

- Basic Python 1

- Basic Python 2

- Data Wrangling

- Data Visualization

PORTFOLIO PROJECT

DURATION: 1 MONTH

ROAD MAP

START

Access To Training materials

Setup and Introduction

Training in SQL

Training in Power BI

Training in Python For Data Science

Ongoing 2 weeks Support Training

Certificate Of Completion

GOAL

Referencing/Success Stories

FAQ

1. **Are your Capstone Projects real?**

All our capstone projects are real, innovative and within IT and Digital sectors

2. **What type of projects will I be working on?**

You will be working on Data-Driven projects and will be using Power Bi to extract and Visualise Business Data, Reporting and Clean Data and Preprocessing. Carrying out Market and Competitive Analysis, and Customer Segmentation projects.

3. **Do I need certification to secure a job?**

Certification will give you an edge; however practical experience is what is critical in securing a good job.

4. **I work full time, how flexible is your program?**

We are highly flexible; trainings are done in evening and weekends. We will always work within your availability.

5. **Do you offer Certification?**

We collaborate with professionally bodies and will recommend you to the best certification bodies.

HANDS-ON

HANDS-ON PROJECT/PORTFOLIO

- Project Planning - Project requirements and Guidelines, Team Formation and Project Planning
- Project development - Hands-on Development and Implementation
- Guidance and Troubleshooting
- Project Presentation and Review - project presentations, feedback and evaluation, course review.

MEET THE INSTRUCTOR

OMOTOSHO OLADELE

DATA SCIENCE AND ANALYTICS

Gabriel has over four years of experience in Data Analyst with expertise in various sectors such as Finance, Energy, Agribusiness, FMCG, and Health. His passion lies in developing data-driven solutions for strategic decision-making. Gabriel is skilled in business and data analysis, identifying key metrics, and creating compelling reports. He is also proficient in visualizing complex data and have technical proficiency in Microsoft Excel, Tableau, Power BI, PostgreSQL, MS SQL Server, and Python. Gabriel is data enthusiast, goal-oriented, and a team player, fostering a positive and productive work environment.

SKILLS AND CERTIFICATION:

- Power BI Data Analyst Associate – Microsoft (May 2024)
- Data Science and Machine Learning with a Specialization in Computer Vision, 10Alytics (January 2023)
- Data Analysis Using SQL and Power BI, Utiva Data School (December 2022)
- SQL MasterClass: SQL for Data Analytics, UDEMY (November 2021)
- Advanced Diploma in Business Administration, TEKEDIA INSTITUTE (June 2021)
- Training on Agribusiness Value Chain, Lagos Business School (May 2021)
- Introduction to AgDrone Technology, African Farmer Stories, Agribusiness (April 2021)
- Introduction to Data Analysis Using Excel, Coursera (October 2020)
- Certified Associate in Project Management (CAPM), Integrated Institute of Professional Management (August 2020)

COMPANY
OVERVIEW

At 1 Goal Analytics, we are committed in fostering your career goals into a reality. Our passion is to assist you unlock that disruptive thinking and acquire excellent skills needed for high-paying job and succeed.

⚒ OUR MISSION

Our mission is to be impactful through high-quality, well-innovative contents with hands-on practice and training that are internationally relevant in a dynamic tech-market

WHERE OUR
STUDENTS WORK

Google

NETFLIX

Medium

Vercel

docker

YouTube

University of Central Lancashire UCLan

University of Hertfordshire UH

NHS

OUR PARTNERS

The Chartered Institute of Logistics and Transport

bcs The Chartered Institute for IT

amazon

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Higher Education Academy

Goal Analytics
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