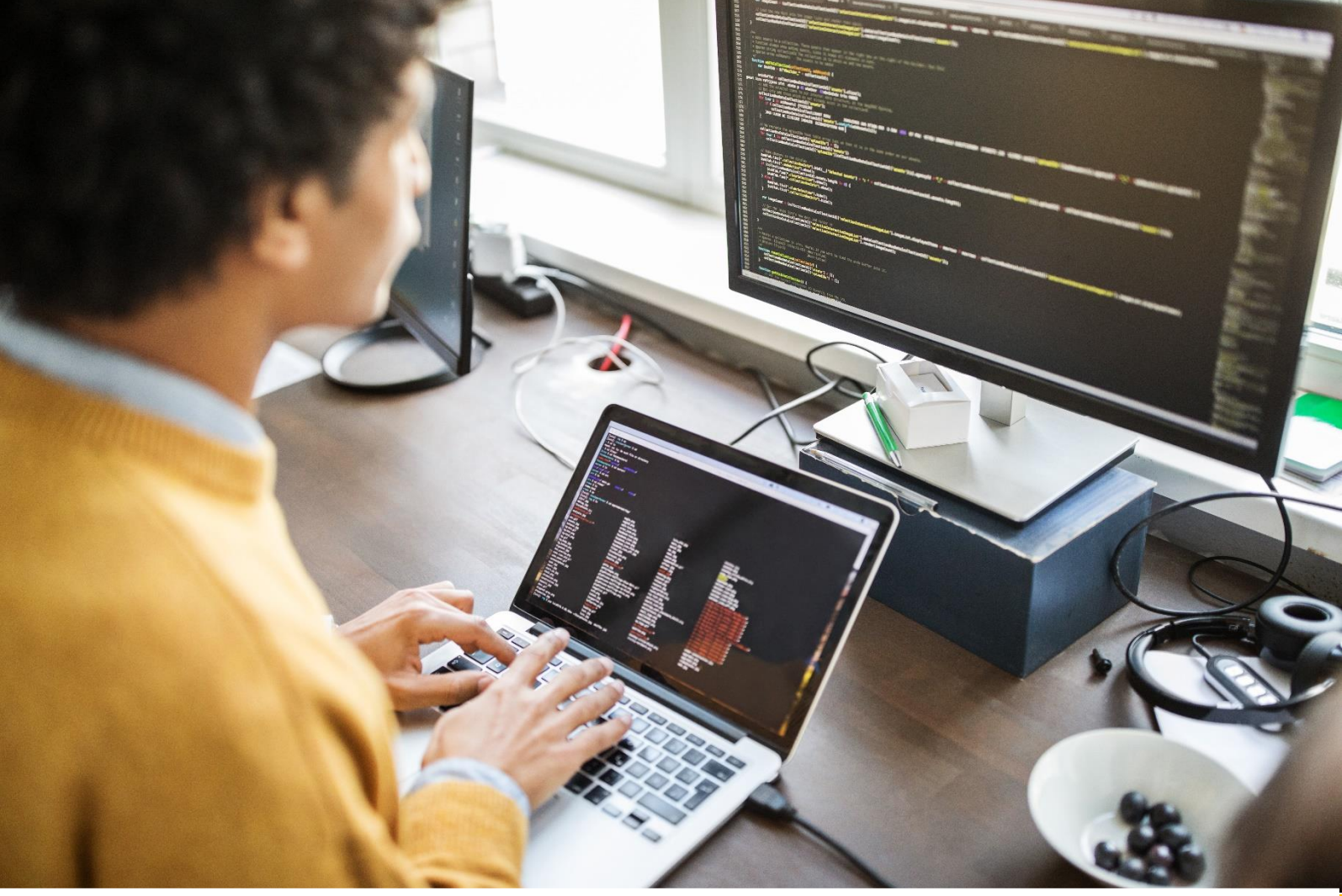

PwC Business School

PwC Digital Academy Curriculum

2022

pwc

09:41
smart home
DEVICE
GROUP
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add new
preferences
LIGHT
speaker
lights
heating
power
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Introduction

PwC's Data Analytics Academy provides a range of big data training designed to help organizations enable new and existing internal resources to make the most of key data science tools and platforms.

Data Science courses are designed to deliver the basic requirement for any data scientist and big data analysts to make business impact. The courses cover core data science programming tools and applications to entrench the necessary background knowledge.

The training sessions are delivered in comfortable conference room at direct serene locations across the country and around the world. Training course participants should be reasonably proficient in Excel and are also required to bring their own machines (laptops) and install the necessary tools in advance of any of the courses.

PwC D&A Academy programs offer:

1. Hands-on, in-person training.
2. Printed training material.
3. Morning Snacks, Lunch, Afternoon Snacks and Refreshments.
4. Guaranteed small class size. The programs are confirmed with a minimum of ten (10) participants and sealed at a maximum of twenty (20) participants. With such small class sizes there will be plenty of time to ask questions and receive personal attention from the faculties.
5. A highly consultative engagement. There will be plenty of time to discuss your specific projects and learning objective to provide immediate return on investments upon completion of any of the programs.

Data Science for Business Professionals

01

Course Overview

In this complex, digital world, clients want help to understand their data to drive greater insight, improved performance and competitiveness. The course will introduce participants to the important techniques and methods to become more efficient in delivering their daily objectives and also improve their work ethics.

PwC's Data & Analytics Academy course for business professionals is designed for:

- Graduate Trainees
- Data Analysts
- Business Analysts
- Professionals looking to change career path

Course Modules

Module 1

Data Science for Business Professionals (Beginners) - DSBP I

- General introduction to PowerBI
- Connecting to multiple data sources
- Core data visualization concepts
- Introduction to DAX and use of measures.

Pre-requisites
N/A

Fee
N100,000

Duration
3 days

Date
TBD

Time
10am - 2pm daily

Module 2

Data Science for Business Professionals (Intermediate) - DSBP II

- Data modelling and preparation
- Advanced DAX

Pre-requisites
DSBP I

Fee
N100,000

Duration
2 days

Date
TBD

Time
10am - 2pm daily

Module 3

Data Science for Business Professionals (Advanced) - DSBP III

- R scripting in PowerBI
- Python scripting in PowerBI
- Advanced DAX

Pre-requisites
DSBP I & II

Fee
N100,000

Duration
3 days

Date
TBD

Time
10am - 2pm daily

Data Science for Beginners

02

Course Overview

In this complex, digital world, clients want help to understand their data to drive greater insight, improved performance and competitiveness. The course will introduce participants to the important techniques and methods used by data scientists.

PwC's Data & Analytics Academy course for beginners is designed for:

- Graduate Trainees
- Data Analysts
- Business Analysts
- Professionals looking to change career path

Course Modules

Module 1

Data Science for Beginners - DSB I

- Introduction to R/Python
- Introduction to model building and Regression analysis

Pre-requisites
DSBP I & III

Date
TBD

Fee
N100,000

Duration
3 days

Time
10am - 2pm daily

Module 2

Data Science for Beginners - DSB II

- Introduction to Statistical Inference
- Intermediate regression analysis
- managing features/feature engineering

Pre-requisites
DSB I

Date
TBD

Fee
N100,000

Duration
2 days

Time
10am - 2pm daily

Module 3

Data Science for Beginners - DSB III

- Advanced regression analysis
- Introduction to Time Series Analysis
- Visualization of Model results using PowerBI

Pre-requisites
DSB I & II

Date
TBD

Fee
N100,000

Duration
2 days

Time
10am - 2pm daily

Data Science for Intermediate

03

Course Overview

Becoming a senior data scientist takes more than the understanding of basic skills like statistics and programming in various languages. The need to develop one area of technical analytic expertise (e.g. machine learning), while being conversant in many others is very critical. This is the major objective of this course.

By the end of this intermediate data science course, you'll be ready to:

- Build data solutions that integrate with other systems.
- Implement advanced data science concepts like machine learning and inferential statistics to address critical business problems and influence corporate decision making.
- Participate successfully in data science competitions.

Course Modules

Module 1

Data Science for Intermediate - DSI I

- Advanced Regression Analysis
- Decision Tree
- Cluster Analysis with practical use cases

Pre-requisites
DSB I, II, III

Date
TBD

Fee
N100,000

Duration
2 days

Time
10am - 2pm daily

Module 2

Data Science for Intermediate - DSI II

- Time Series Analysis
- Principal Component Analysis
- Anomaly Detection
- Random Forest

Pre-requisites
DSI I

Date
TBD

Fee
N100,000

Duration
2 days

Time
10am - 2pm daily

Module 3

Data Science for Intermediate - DSI III

- Text Mining
- Naïve Bayes
- Support Vector Machine
- Parrallel Computing in R

Pre-requisites
DSI II

Date
TBD

Fee
N100,000

Duration
2 days

Time
10am - 2pm daily

Data Science for HR Professionals

04

Course Overview

Analyzing HR data to gain insights on workforce, policies and practices can ultimately inform more evidence-based decision making. This course delivers the basic requirements for HR professionals and aspiring HR analysts to make business impact in three days. It covers the core concepts of analytics and reporting with introduction to the use of a visualization tool (PowerBi) to entrench the necessary background Knowledge.

PwC's Data & Analytics Academy course for HR professionals is designed for:

- Human Resource Professionals & Consultants
- HR Analysts

Course Modules

Module 1

Data Science for HR Professionals I

- Introduction to HR Analytics
- Introduction to Data Analysis and working with HR data
- Data Cleaning and HR Metrics
- Data Analysis with HR data
- Introduction to Visualization

Pre-requisites
N/A

Date
TBD

Fee
N80,000

Duration
2 days

Time
10am - 2pm daily

Module 2

Data Science for HR Professionals II

- Data Visualization and Reporting using HR Data

Pre-requisites
DSHRP I

Date
TBD

Fee
N80,000

Duration
2 days

Time
10am - 2pm daily

Module 3

Intermediate HR Analytics - DSHRP II

- Building advanced analytics models for HR: Identifying drivers of employee engagement and other employee performance drivers

Pre-requisites
DSB I and DSHRP I

Date
TBD

Fee
N100,000

Duration
3 days

Time
10am - 2pm daily

Module 4

Advanced HR Analytics - DSHRP III

- Building predictive models for HR:
- Identify drivers of employee attrition
- Predict employee attrition
- Identify the optimal recruitment channels, etc

Pre-requisites
DSHRP II

Date
TBD

Fee
N100,000

Duration
3 days

Time
10am - 2pm daily

Data Science for Public Sector

05

Course Overview

The public sector makes numerous decisions daily. However, the public sector has not fully taken advantage of the prospects and beauty of analytics. This course will empower decision makers in the public sector on how to make reports, analyze data and make evidence-based decisions.

PwC's Data & Analytics Academy course for public sector is designed for:

- Data Analysts
- Public Sector Staff / Personnel
- Decision makers in the Public Sector

Course Modules

Module 1

Data Science for Public Sector Beginners - DSP I

- General introduction to Data Science and its applications in Public Sector
- General introduction to PowerBI
- Connecting to multiple data sources
- Core data visualization concepts

Pre-requisites
N/A

Date
TBD

Fee
N100,000

Duration
3 days

Time
10am - 2pm daily

Module 2

Data Science for Public Sector Intermediate - DSP II

- Data modelling and preparation
- Advanced DAX

Pre-requisites
DSP I

Date
TBD

Fee
N100,000

Duration
2 days

Time
10am - 2pm daily

Module 3

Data Science for Public Sector Advanced - DSP III

- R scripting in PowerBI
- Python scripting in PowerBI
- Advanced DAX

Pre-requisites
DSP I & II

Date
TBD
.

Fee
N100,000

Duration
3 days

Time
10am - 2pm daily

Data Science for Tax Practitioners

06

Course Overview

This course combines both tax technical skills, large data sets, and new technologies like visualization tools to draw insights and deeper understanding. This course will empower decision makers/tax managers and practitioners to make smart reports, analyze data and make evidence-based decisions.

PwC's Data & Analytics Academy course for tax practitioner is designed for:

- Data Analysts
- Tax Practitioners
- Decision makers/Tax Managers
- Tax Auditors

Course Modules

Module 1

Data Science for Tax Practitioners Beginners - DSTP I

- General introduction to Data Science and Tax analytics
- Relational Databases
- Connecting to multiple data sources
- Core data visualization concepts
- Working with visualization tools
- Case Studies

Pre-requisites
N/A

Date
TBD

Fee
N100,000

Duration
3 days

Time
10am - 2pm daily

Module 2

Data Science for Tax Practitioners Intermediate - DSTP II

- Data modelling and preparation
- Advanced DAX
- Automating routine reports

Pre-requisites
DSTP I

Date
TBD

Fee
N100,000

Duration
2 days

Time
10am - 2pm daily

Module 3

Data Science for Tax Practitioners Advanced - DSTP III

- R scripting in PowerBI
- Python scripting in PowerBI
- Advanced DAX

Pre-requisites
DSTP I & II

Date
TBD

Fee
N100,000

Duration
3 days

Time
10am - 2pm daily

Data Science for Finance Professionals

07

Course Overview

The financial sector generates and houses huge amount of data every second, converting this information to meaningful insights that would aid decision making is however important. This course will empower finance professionals and decision makers in the financial sector on how to make reports, analyze data and make evidence-based decisions.

PwC's Data & Analytics Academy course for financial professionals is designed for:

- Data Analysts
- Finance Professionals
- Decision makers in the Financial Sector

Course Modules

Module 1

Data Science for Finance Professionals Beginners - DSFP I

- General introduction to Data Science and its applications in Finance and Fintech
- Relational Databases
- Working with Visualization Tools
- Real Time Analytics
- Core data visualization concepts
- Case Studies

Pre-requisites
N/A

Date
TBD

Fee
N100,000

Duration
3 days

Time
10am - 2pm daily

Module 2

Data Science for Finance Professionals Intermediate - DSFP II

- Data modelling and preparation
- Access Management/Control
- Automating Routine Reports
- Advanced DAX

Pre-requisites
DSFP I

Date
TBD

Fee
N100,000

Duration
2 days

Time
10am - 2pm daily

Module 3

Data Science for Finance Professionals Advanced - DSFP III

- R scripting in PowerBI
- Python scripting in PowerBI
- Advanced DAX

Pre-requisites
DSFP I & II

Date
TBD

Fee
N100,000

Duration
3 days

Time
10am - 2pm daily

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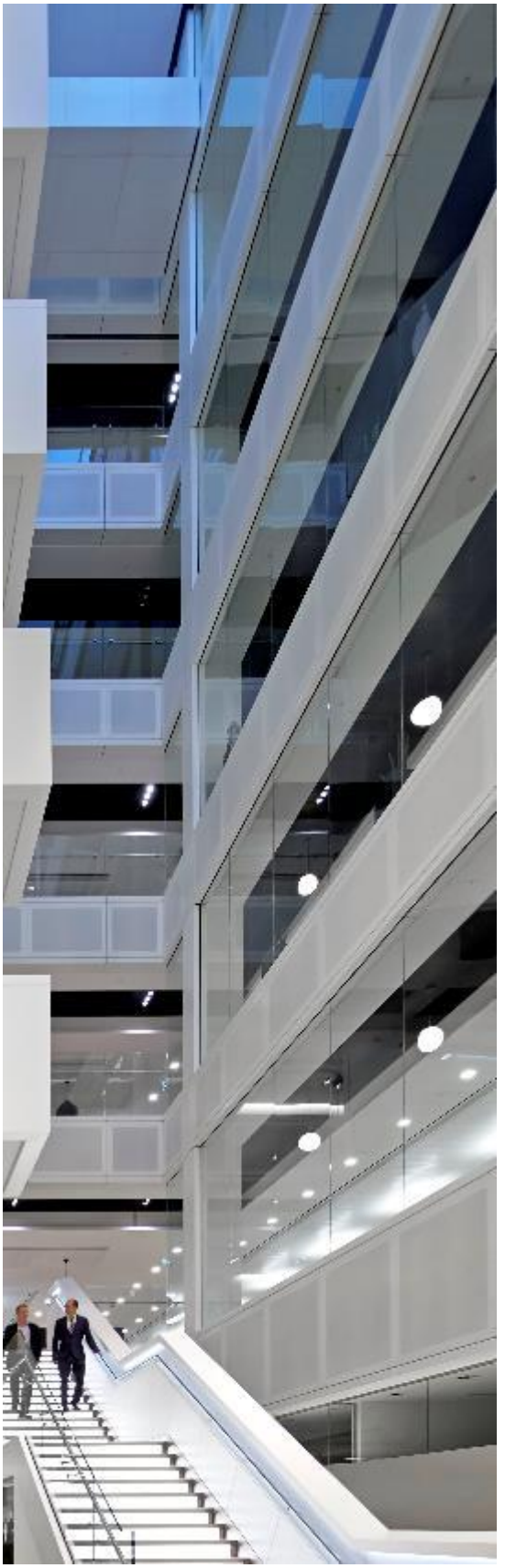

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About PwC

At PwC, our purpose is to build trust in society and solve important problems. We're a network of firms in 155 countries with more than 284,000 people who are committed to delivering quality in assurance, advisory and tax services. Find out more by visiting us at www.pwc.com/ng

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