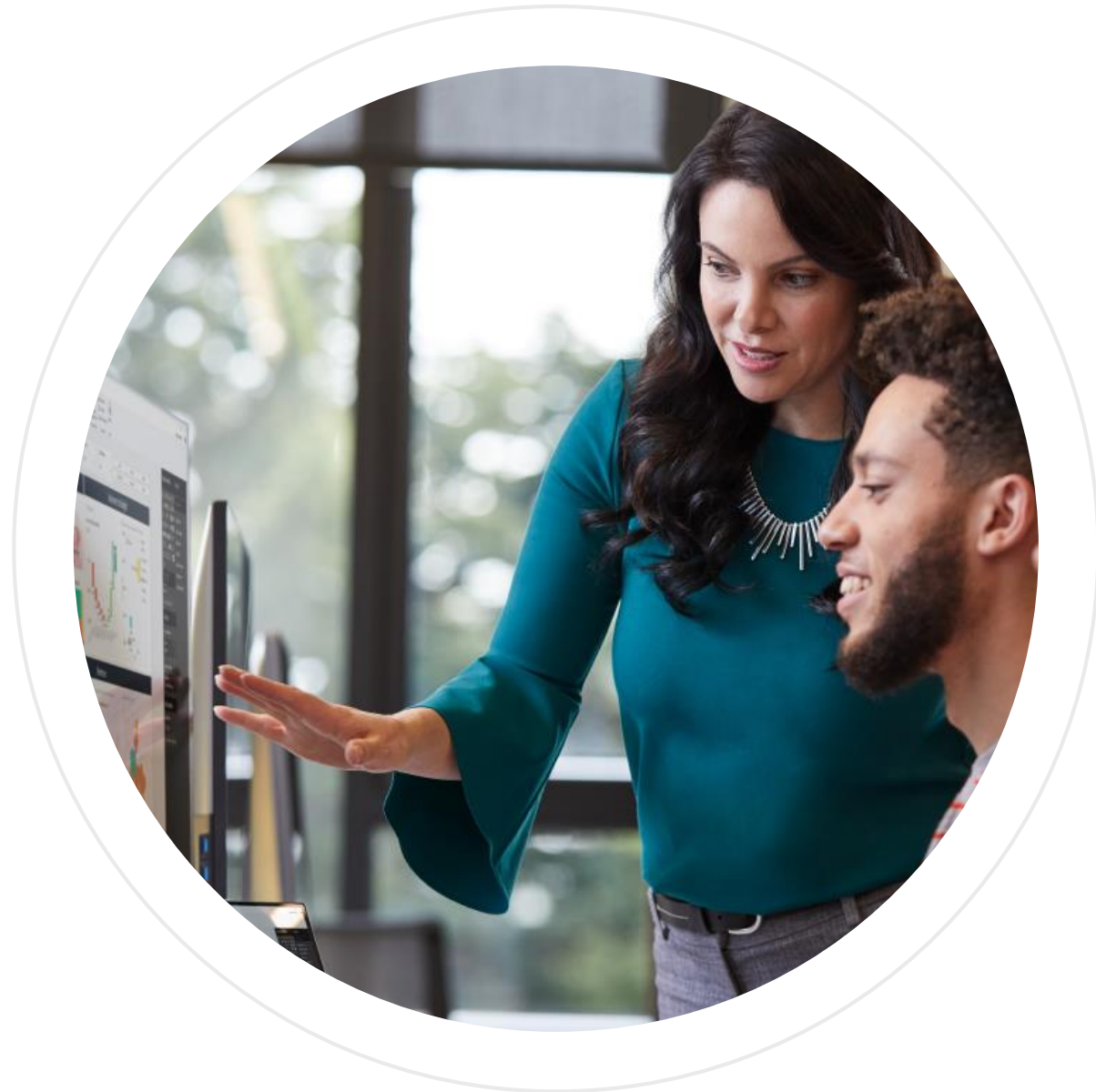


Microsoft Power BI Data Analyst



Module Agenda



Introduction

Lesson 1: Introduction

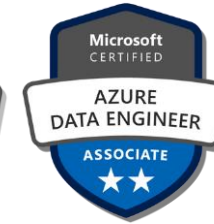


Presenter



 /arifmazumder

Mohammed Arif, PhD
Lead Data Scientist
Big Data | Machine Learning | AI



Mohammed Arif has more than fifteen (15) years of working experience in Information Communication and Technology (ICT) industry. The highlights of his career are more than six (7) years of holding various senior management and/or C-Level and had five (5) years of international ICT consultancy exposure in various countries (APAC and Australia), specially on Big Data, Data Engineering, Machine Learning and AI arena.

He is also Certified Trainer for Microsoft.



PL-300 Related Resources

<http://arif.works/pl300>

Data Analyst Role



Deliver actionable insights by leveraging available data and applying domain expertise.



Collaborate with key stakeholders across verticals to identify business requirements, clean and transform the data.



Responsible for designing and building data models, reports, and dashboards using Power BI.



Have proficiency using Power Query (M) and writing expressions by using DAX.

About this Course: Prerequisites



Successful data analysts start this role with experience with data visualization products and services such as Microsoft Power BI.



Understanding of both on-premises and cloud-based data repositories.



A fundamental understanding of Azure data services.

About this Course: Objectives

- Identify and retrieve data from data sources and understand the different connection methods.
- Optimize query performance.
- Profile and examine the data and apply data shape transformations.
- Develop a scalable and performance data model.
- Enhance the data model with DAX using measures, calculated columns and tables.
- Use variables and aggregations to optimize model performance.
- Design and create reports and dashboards.
- Select and add appropriate visualizations.
- Create paginated reports.
- Perform Advanced Analytics.
- Create and manage workspaces.
- Manage datasets and dataset refresh.
- Apply row-level security.

About this Course: Course Outline

- M01: Get Started with Microsoft Data Analytics
- M02: Prepare Data in Power BI
- M03: Cleaning, Transforming, and Loading Data
- M04: Designing a Data Model in Power BI
- M05: Create Model Calculations using DAX in Power BI
- M06: Optimize Model Performance
- M07: Create Reports
- M08: Create Dashboards
- M09: Create Paginated Reports
- M10: Perform Advanced Analytics
- M11: Create and Manage Workspaces
- M12: Manage Datasets in Power BI
- M13: Row-level Security

Certification Areas (PL-300)

- Percentages indicate the relative weight of each area on the exam
- The higher the percentage, the more questions you are likely to see in that area

Study Areas	Weights
Prepare the Data	15-20%
Model the Data	30-35%
Visualize and Analyze the Data	25-30%
Deploy and Maintain Deliverables	20-25%

References

- PL-300 Get started with Microsoft data analytics

[Get started with Microsoft data analytics - Learn | Microsoft Docs](#)

