

Data Modelling & Visualization

Session No#	Session mode	Session Type	Week - Day No. #	Duration Hrs
1	EL-Async	<ul style="list-style-type: none"> Introduction to Data Analytics and Power BI Overview of Power BI Desktop and Service Get Data to Power BI Create a simple Power BI report 	Before Sync Session	3
2	FC -Sync	Familiarization of Power BI services and components	1-1	3
3	MS -Sync	Assignment 1: Configure the Power BI Desktop application and execute your first data task.	1-2	3
4	MS-Async	Additional Practice-Complete all the pending works	Before Sync Session	2.5
5	EL-Async	<ul style="list-style-type: none"> Power BI Data Transformation Change data types and remove null values. Model data Star Schema design Fact and Dimension Tables 	Before Sync Session	3
6	FC- Sync	Power BI data transformations and data modelling	1-3	3
7	MS -Sync	Assignment 2: Transform and Model the data loaded to Power BI	2-4	3
8	MS-Async	Additional Practice-Complete all the pending works	Before Sync Session	2.5
9	EL-Async	<ul style="list-style-type: none"> Introduction to DAX DAX data types DAX operators Measures 	Before Sync Session	3
10	FC- Sync	Use cases of DAX calculations, and Measures in Power BI	2-5	3
11	MS- Sync	Assignment 3: Create DAX calculations and Measures in Power BI.	2-6	3
12	MS-Async	Additional Practice-Complete all the pending works	Before Sync Session	2.5
13	EL-Async	<ul style="list-style-type: none"> Data Visualizations Tables and matrix visualization in Power BI reports Card visualizations. Data slicers and filters. Dashboard Interactions, Drill down, Conditional formatting, and featured dashboards 	Before Sync Session	3
14	FC -Sync	Data visualizations, elements of report and dashboard interactions	3-7	3

15	MS -Sync	Assignment 4: Create an interactive report with all the features for the business use case.	3-8	3
16	MS-Async	Additional Practice-Complete all the pending works	Before Sync Session	2.5
17	MS- Sync	Discussion on data acquisition and data cleaning of HR attrition dataset.	3-9	3
18	MS- Async	Implementation of data acquisition and data cleaning of HR attrition dataset	Before Sync Session	3
19	MS-Async	Additional Practice-Complete all the pending works	Before Sync Session	2.5
20	MS- Sync	Review of data acquisition and data cleaning of HR attrition dataset. Discussion on the data modelling and DAX calculations of the HR attrition dataset.	4-10	3
21	MS- Async	Implementation of data modelling and DAX calculations of the HR attrition dataset.	Before Sync Session	3
22	MS-Async	Additional Practice-Complete all the pending works	Before Sync Session	2.5
23	MS-sync	Review of the data modelling and DAX calculations of the HR attrition dataset. Discussion on the visualizations for the overview and demographics page.	4-11	3
24	MS-Async	Implementation of visualizations for the overview and demographics page.	Before Sync Session	3
25	MS-Async	Additional Practice-Complete all the pending works	Before Sync Session	2.5
26	MS-Sync	Review of visualizations for the overview and demographics page. Discussion on visualizations for performance tracker and attrition pages.	4-12	3
27	MS-Async	Implementation of visualizations for performance tracker and attrition pages.	Before assessment	3
28	MS-Async	Additional Practice-Complete Project report and submit	Before assessment	2.5
29	AS-Sync	Summative Assessment (Per learner)	5-13	30 min

Copyright Disclaimer

All rights reserved. No part of this document may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author or publisher, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law. For permission requests, write to the publisher, addressed "Attention: Permissions Coordinator," at the address below.

