Microsoft Power BI
Intermediate

Course Details

Course Name Microsoft Power BI Intermediate
Duration 3 Days
Course Code AFBMPBI
Assumed Knowledge Basic understanding of Power BI

Course Aims

Now that you're familiar with the basics of Power BI and report building, it's time to take the next steps in your learning journey! You're now ready to understand the 'why' and what's next, so in this course, you'll work with us on a carefully guided journey from raw data to engaging report while we build upon what you already know. We follow one of the most common industry approaches to working with data and understanding the choices behind each step. You'll learn how to build better reports and datasets with powerful data connections, exciting new visualisations, tips on report design and more!

What You Will Learn

The objective of the course is to offer you a guided journey to approaching a more complex Power BI reporting project from raw data to report production and sharing, through the use of more advanced techniques and tools - all supported by real life use cases. You'll tackle the real life challenges that you face as you look to clean, transform or integrate multiple different data sources. Learn to enrich your data with more complex transformations, provide an engaging report that tells the message you need, and how to share with the right. By the end of the course, you'll have developed the confidence to correctly plan and execute more complex data projects.

Skills

- You'll learn the Extract, Transform, and Load (ETL) methodology of working with data
- How to handle and transform more complex datasets and connections, when it's right to use cloud or on premises solutions, and using more complex DAX to solve data problems
- Report building approaches and best practices in design
- Understanding which visualisations to use and enhancing your work with AI
- Advanced formatting with bookmarks, side panels and navigation experiences
- Using and testing roles to keep your data in the right hands

Target Audience

This course is aimed towards individuals that have a basic understanding of the Power BI report building process and are looking to develop their skills further to support their role or career progression.

Course Content

Module 1 – What's a Data Wrangler?
Topic A So what's a Data Wrangler?
Topic B Excel or Power BI? The right tool for the right job
Topic C What is ETL?
Topic D How ETL is implemented in Power BI
Topic E A Dashboard or Report? Plan your project

Module 2 – The Power Of Datasets
Topic A Is it Dataset or Semantic Model, or Semantic Layer?
Topic B Data Source considerations
Topic C On Premises vs Cloud sources
Topic D Understanding Gateways

Module 3 – Going further with Data Connections
Topic A Common industry Data sources
Topic B Importing from SQL or APIs/web endpoints
Topic C Power BI Semantic models as a source

Module 4 – Going Further With Data Transformation
Topic A Data transformation best practices
Topic B Power Query next steps
Topic C Data Profiling and Quality
Topic D Using advanced transformations
Topic E Adding indexes, and why they matter
Topic F Date and Time
Topic G Split columns
Topic H Standard operator columns
Topic I Merging, Appending, or Referencing Queries

Module 5 – Data Modelling basics
Topic A Introduction to Data Modelling concepts
Topic B Setting relationships manually or automatically
Topic C Hierarchies overview
Topic D DAX overview
Topic E Useful DAX functions
Topic F Time intelligence in DAX

Module 6 – Taking your reports further
Topic A Audience consideration
Topic B Report Building and design best practices
Topic C Which visualisation to use and when?
Topic D Using the Visualisations marketplace
Topic E Adding and formatting advanced visualisations

Module 7 – Visualisation deep dive
Topic A Groupings, analysis, predictions, and sparklines
Topic B Advanced interactivity and Drill Through

Module 8 – Enhancing the report with Co-Pilot
Topic A Co-Pilot overview
Topic B Narrative Visuals and Q&A/Synonyms

Module 9 – Design Deep Dive
Topic A Exploring visual formatting
Topic B Designing in 3D
Topic C Advanced actions and bookmarks
Topic D Mobile formatting tips and tricks

Module 10 – Considering your audience
Topic A The importance of roles
Topic B Using and testing roles
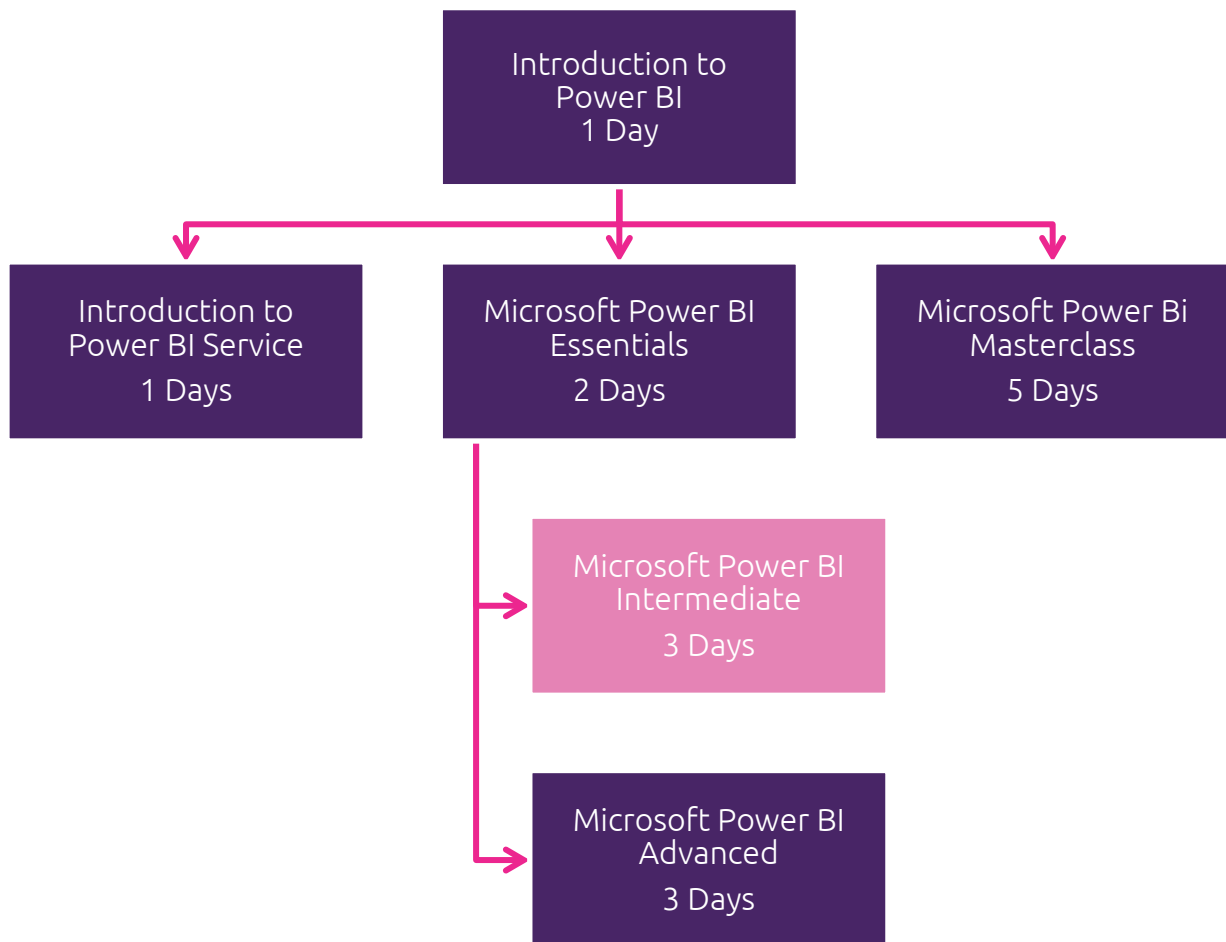
Module 11 – Going Further with the Power BI service
Topic A Service Deep Dive and refreshing datasets
Topic B Overview of web, portal and embedded publishing
Topic C Using Dataflows
Topic D Advanced editing using the service
Topic E Advanced sharing options and considerations
Topic F Paginated Reports and use cases

Course Progression

Power BI is a powerful tool for data analysis and visualisation that can help you gain insights and make informed decisions. At Appetite, we understand the significance of learning the full depth of using Power BI in a modern organisation. That's why we offer a range of courses from introduction to advanced, covering topics such as data modelling, DAX, visualisations, dashboards, reports, and more. We can guide you from having no prior knowledge to building very detailed reports using some advanced skills.

Whether you want to learn the basics of Power BI, or take your skills to the next level, we have a course for you. Our courses are interactive, engaging, and can also be tailored to your needs. You'll learn from our experienced trainers who will share their best practices and tips for success. By the end of the course, you'll be able to apply your learning to your own data and scenarios, and create stunning and impactful reports that will impress your colleagues and stakeholders.

Join us in discovering the power of Power BI and enhancing your data literacy by taking one of the following courses.

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│ Introduction to  │  │ Microsoft Power  │  │ Microsoft Power  │
│ Power BI Service │  │   BI Essentials  │  │  Bi Masterclass  │
│     1 Days       │  │     2 Days       │  │     5 Days       │
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                                        │ Microsoft Power  │
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About Appetite
Audacious, Human, Purposeful, Rigorous, Kind
Our company values underpin everything we do and are at the heart of our business.

Established in 2016, Appetite is passionate about helping people and organisations use technology as a force for good with values and culture being a guiding force for how we achieve this.

We will help you engage with your colleagues and customers through technology and our people – our difference makers – will be pivotal in helping you to achieve this.

We help companies to simplify technology and get the most out of Microsoft Cloud technologies to grow. We provide easier to access data analytics, faster business processes, better workflows and productivity, and a better understanding of how your business is performing.

Accreditation
We adhere to several elite standards giving you the confidence that you are working with a partner who strives to be the very best, by continuously improving our management system and processes we work to the highest possible standard.