

Data training prospectus 2022

Explore our data training
programme today.

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Introducing Housemark's Data Training Programme

Having access to the skills and tools to unlock data-driven insights has never been more important for social landlords. At Housemark, we know that to unlock the potential data holds for your organisation, you need the skills to delve deeper into your data and effectively share your insights.

Our courses are designed specifically for housing professionals and are delivered by Housemark housing and data experts.

This prospectus outlines the courses available in 2022 to develop your skills and confidence and make the best use of your valuable data. All of the courses are based on real social housing data and include active participation and discussion of current analytical topics and challenges.

We look forward to welcoming you to a Housemark Data Training course soon.

Unlock the potential of data across your organisation

- Designed specifically for housing professionals using housing-related data.
- Delivered by housing experts who are passionate about what data can deliver for the sector.
- Benefit from practical, hands-on learning to gain skills and techniques you can put into action straight away.

Courses

- Excel in housing
Beginner, Intermediate, Advanced
- Power BI in housing
Beginner, Intermediate, Advanced

Delivery

Our data training courses will be delivered online over one or two half days (see specific course information). All courses are designed for maximum participation and include presentations, group and individual exercises, and discussions. Extensive materials will be sent to participants in advance of all courses.

System requirements

Participants will need to use their own laptop, pre-loaded with any software required for the course. This should be of sufficient power to run the application and the video conferencing software simultaneously.

Please note that Power BI training requires a high-performance laptop and two screens.

Excel in housing – Beginner

This one half-day course is aimed at people with little or no experience of Excel. The course will provide attendees with the knowledge to understand the purpose of spreadsheets and the confidence to make simple calculations relevant to the social housing sector.



I already had some Excel knowledge but I was still able to take a lot from the course.

Course content

This course will cover:

Getting started

- Navigating Excel and its functionality
- Cell referencing
- Basic formatting
- Sorting and filtering

Formulas in Excel

- Structure
- Copying formulas
- Relative and absolute references
- Useful functions

Simple charts

By the end of the course, attendees will be able to:

- Understand Excel fundamentals and terminology
- Create a spreadsheet
- Carry out simple calculations

Who is this course for?

This course is aimed at people working in social housing at any level who have little or no experience of using Excel spreadsheets.

Entry requirements

There is no prerequisite for this course.

2022 dates:

Register your interest [here](#).

Price:

£195+VAT each (Housemark members)
£255+VAT each (Non-members)

Excel in housing – Intermediate

This one-day course (delivered over two half-days) picks up the basics of the Beginner course and builds the participants ability to use Excel as a data analysis tool in the social housing sector. It can be completed as a standalone course or as a follow-up to the Beginner course.

Course content

This course will cover:

Intermediate formulas

- Use functions
- Statistical functions (i.e. quartiles, correlation)
- Bringing data together (lookups)
- Troubleshooting

Intermediate functionality

- Pivot tables
- Data validation
- Conditional formatting
- Protecting workbooks and sheets

Intermediate charts

By the end of the course, attendees will be able to:

- Create and use pivot tables
- Use formulas to look up data from other sources
- Understand and create a range of charts



This course was very informative and has shown me new ways to look at and analyse my data.

Who is this course for?

This course is aimed at people working in social housing at any level who know Excel at a basic level and are looking to skill-up.

Entry requirements

This course requires completion of the Beginner course or equivalent experience.

2022 dates:

Register your interest [here](#).

Price:

£295+VAT each (Housemark members)
£370+VAT each (Non-members)

Excel in housing – Advanced

This one-day course (delivered over two half-days) takes Excel in housing to a new level. Using real housing data, it covers the disciplines and logic needed to manipulate large datasets and present the information to a range of audiences.

Course content

This course will cover:

- Working with large datasets (using housing specific data)
- Manipulating and managing data (data cleansing, structure and joins)
- Data analysis (e.g. linear regression, aggregation, summarisation)
- Using Power Pivots with large datasets
- Structuring data for effective reporting
- Developing an interactive dashboard
- Effective dashboard design

By the end of the course, attendees will be able to:

- Manipulate and analyse large or complicated datasets and present the information in a consistent format by developing a simple dashboard.

Who is this course for?

This course is aimed at people working in social housing where data manipulation and analysis is a key part of their role.

Entry requirements

This course requires completion of the Intermediate course or equivalent experience.

2022 dates:

Register your interest [here](#).

Price:

£295+VAT each (Housemark members)

£370+VAT each (Non-members)

Power BI in housing – Beginner

This one-day course (delivered over two half-days) is aimed at those with no previous experience of Microsoft Power BI. The course will cover the components of Power BI and provide attendees with the knowledge to understand how to leverage Power BI to build reports and dashboards with interactive visualisations.

Course content

This course will cover:

- Power BI and its components
- How Power BI compares to other tools such as Excel
- What you can do with Power BI
- Connecting to Excel data sources and creating tables
- Understanding the Power Query entity
- Transformation (e.g. data types, creating columns, replacing values)
- Visualisation – charts, tables
- Building and sharing reports

By the end of this course, attendees will be able to:

- Describe the business value and features of Power BI
- See how Power BI works and looks from a user's perspective
- Easily build and share reports and dashboards



It was so refreshing to attend training sessions that used data from the housing sector.

Who is this course for?

This course is aimed at people working in social housing at all levels who are new to Power BI and have no experience of creating reports using Power BI.

Entry requirements

There is no prerequisite for this course.

2022 dates:

Register your interest [here](#).

Price:

£385+VAT each (Housemark members)

£460+VAT each (Non-members)

Power BI in housing – Intermediate

This one-day course (delivered over two half-days) is aimed at data analysts who need to work with multiple data sources. The course will help participants develop their skills in getting data from multiple sources and understanding the concept of data modelling in Power BI concept, with an additional focus on data cleansing and transformation.



A well-delivered and useful course that has given me more confidence in using Power BI for the future.

Course content

This course will cover:

- Overview of Power BI licencing and the end user perspective
- Connecting to data sources e.g. SQL, SharePoint, and other online sources
- Overview of M query
- Preparing facts and dimension tables for modelling
- Data transformations: Merge, Append, Group By, Pivoting and Unpivoting techniques
- Data modelling in Power BI: Relationships
- Concept of Measures and Calculated Columns
- Report design: layout, formatting, best practice
- Overview of the Power BI service UI
- Concept of dashboards, datasets, workspaces and reports
- Gateway concept and report refresh

By the end of this course, attendees will be able to:

- Build, publish and share reports and dashboards for them and others to use
- Connect to and model data
- Analyse and visualise data
- Share insights

Who is this course for?

This course is aimed at people working in social housing at all levels of reporting and analysis who work with multiple data sources and wish to develop their understanding of the capabilities of Microsoft Power BI as well as gain an insight into some of the more advanced features.

Entry requirements

This course requires completion of the Beginner course and/or a basic understanding of Excel formulas.

2022 dates:

Register your interest [here](#).

Price:

£385+VAT each (Housemark members)
£460+VAT each (Non-members)

Power BI in housing – Advanced

This one-day course (delivered over two half-days) is aimed at analysts who want to do more with their organisation's data and understand the concepts of DAX and M query. The course will focus on how Power BI works seamlessly with other tools to create an end to end solution and how it can be deployed as an enterprise tool for data and analytics.

Course content

This course will cover:

- Using parameters
- Basic and Advanced text analytics
- Manipulating M in advanced editor
- Time intelligent function
- Performance analyser
- Model view design
- Themes
- Summarise / GroupBy
- Creating / managing workspaces
- Managing datasets
- Creating dataflows
- Implementing row-level security RLS
- Paginated reports

By the end of the course, attendees will be able to:

- Understand advanced Power BI functionality to improve reporting
- Use Power BI to manage models to ensure end user experiences are not impacted
- Understand security and governance of reports and datasets
- Take-away some DAX capabilities

Who is this course for?

This course is aimed at people working in social housing responsible for collating data ready for analysis and want to do more with their organisation's data. These may be database specialists or advanced data analysts.

Entry requirements

This course requires a good understanding of how to navigate Power BI desktop, use the Power Query component on desktop and a good understanding of Power BI service (cloud). Plus a basic understanding of the O365 product suite and cloud computing concepts such as Azure.

2022 dates:

Register your interest [here](#).

Price:

£385+VAT each (Housemark members)

£460+VAT each (Non-members)

Booking information

Payment

Payment for all training courses can be made online via debit or credit card. Invoices can also be arranged on receipt of a Purchase Order (PO). Bookings will not be confirmed until payment or a PO/PO number has been received.

Online requirements

It is the attendee's responsibility to check that they have access to a laptop and sufficient internet connection to be able to access the online course, download all relevant course materials and run applications simultaneously. Housemark cannot be held responsible for any technical problems attendees encounter during an online course.

Cancellations and amendments

All cancellations or amendments to bookings must be made in writing.

For cancellations received more than 10 business days before the event, an administration charge equal to 50% of the full price per delegate will be charged.

For cancellations received less than 10 business days before the event, an administration charge equal to the full price per delegate will be charged.

Bookings may be transferred to other colleagues at any time.

Bookings cannot be transferred to other course dates at any time.

Housemark reserves the right to postpone or cancel training courses if required.

Copyright and Data Protection

The copyright of all materials produced for, or at, these data training courses rests with Housemark Ltd, the trainer or the author of the material. Personal data is gathered in accordance with the Data Protection Act 2018. Any relevant data supplied by you will be held on our database and may be used to keep you informed of our products and services.

For more information about these data training courses or other Housemark events, please contact tina.reid@housemark.co.uk

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