Power BI Advanced (2 days)

Course Details

Introduction

- What is Power BI?
- The main concepts the course will cover
- Power Query
- Power Pivot
- Power BI Desktop
- Power Query

Report Building

```
1 FYTD Sales = TOTALYTD(TransactionsByYear2015to2018[Total Sales],tblCalendar[Date].[Date],ALL(TransactionsByYear2015to2018),
  "31/3")
```

- Introduction to DAX
- Implicit Vs Explicit Measures
- Creating Measures & Calculated Columns
- Commonly Used DAX Functions
- SUM, AVERAGE, COUNT, DISTINCTCOUNT
- Time Intelligence (MTD, QTD, YTD, Prior Year)
- Understanding 'CALCULATE' and the filter context
- Using Quick Measures
- Build a Monthly Trend Report
- Types of Slicers and Filters
- Using Field, Format, Analytics Pane
- Building Tabular Reports
- Replicating Excel Pivot Tables
- Types of Conditional Formatting
- Optimizing the Matrix Layouts

Year	PY Sales	Total Sales	Growth	FYTD Sales
2015		£234,143.74	£234,143.74	£177,463.55
2016	£234,143.74	£289,696.34	£55,552.60	£221,030.96
2017	£289,696.34	£311,166.58	£21,470.24	£245,575.94
2018	£311,166.58	£297,965.29	-£13,201.29	£242,785.11
2019	£297,965.29	£297,678.48	-£286.80	£223,331.28
2020	£297,678.48	£234,143.74	-£63,534.74	£175,724.83
2021	£234,143.74	£289,696.34	£55,552.60	£221,030.96
2022	£289,696.34		-£289,696.34	
Total	£1,954,490.50	£1,954,490.50	£0.00	

Report Functionality

- Adding Drill-Downs
- Creating Drill-Through Reports
- Filtering Reports by Relative Dates
- Viewing the Underlying Data Driving a Visualization
- Customizing Report Visual Interactivity
- Exporting Data from Power BI
- Build a Qty Shipped Vs Qty Sold Report
- Building Reports using Q&A
- Optimizing Report Slicers

Sync slicers

Add and sync with all pages, or select specific pages:

Page name		
Page 1	☐	☐
Page 2	☐	☐
Page 3	☐	☐
Page 4	☐	☐
Make Detail	☐	☐
TT Make	☐	☐
Page 5	☐	☑

∨ Advanced options

Enter a group name to sync selection to any other visuals with that group name
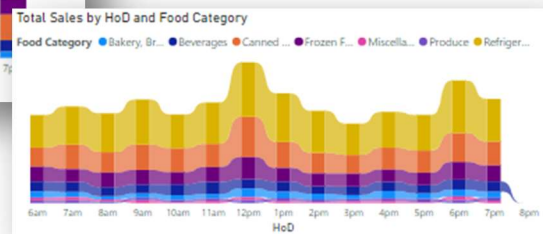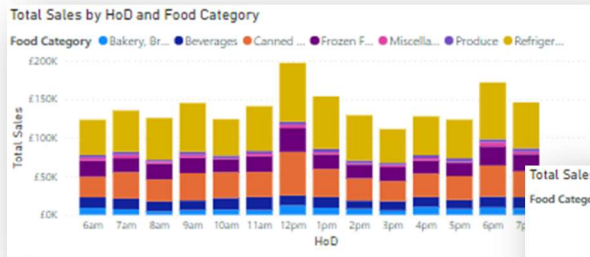
Show as a table
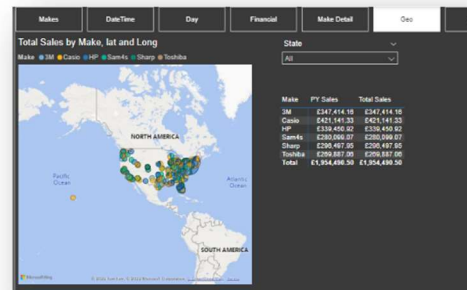Group data
Include
Exclude
Drill through

Report Visualisations

- Choosing Visuals Based on Context
- Using Custom Visuals
- Optimizing the use of Maps
- Getting Value from Scatter, Ribbon & Bullet Charts

Optimising Your Report Design

- Adding & Optimizing Tool Tips
- Visual Alignment Tips
- Custom Page Sizing
- Using Logos & Custom Icons
- Formatting Tips & Tricks

Governance & Distribution

- Understanding Row Level Security
- Creating and Testing Security Roles
- Publishing Models to the Cloud Service
- Basic Sharing of Dashboards & Reports
- Creating App Workspaces
- Adding Users & Editing Workspaces
- Connecting to Apps / MS Teams

Scheduled Data Refreshing

- Overview of the Data Gateway
- Scheduling Data Refreshes
- Refreshing On-Demand