

Course Structure & Outline



Clean data in ~~days, hours,~~ minutes

using

Power Query in Excel / Power BI

If I had to summarize Power Query real quick...

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Power Query **performs and automates repetitive data cleaning & transforming** tasks before it can be used for any analysis

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2 cool things about Power Query –

#Cool thing 1 - **It comes free** with Excel and Power BI!

#Cool thing 2 – Learning Power Query is **damn easy!**

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Who is this course for ?

Anyone using Excel and working on data!

- Whether you are in charge of repetitive data preparation tasks or
- You develop reports for your organization using Excel

This course is must for you. Data Analysts, BI Professionals and ETL developers can enhance their productivity through this course

The full course is split into 8 modules

- Module 1 : Introduction to Power Query
- Module 2 : Loading + Simple Data Transformations
- Module 3 : Appending Data
- Module 4 : Merging Data and Performing Lookups
- Module 5 : Fundamentals of M Language
- Module 6 : Simple Cases - 8 Cases (Fin Statements, Payroll, Stacked Addresses, Multiple Filters etc..)
- Module 7 : Advanced Concepts – Lists, Records, Tables..
- Module 8 : Advanced Cases - 4 Case Studies

2 Comprehensive Assignments + Solutions – to test your learning from the course

MODULE 1 : INTRODUCTION TO POWER QUERY

Module Overview :

You will get introduced to Power Query. If you are using Excel 2010 or 2013 you will need to download, install and activate Power Query inside Excel. It also explain you layout of Power Query and its various components.

Module Videos

- What is Power Query? How to install and activate it?

MODULE 2 : LOADING & DATA TRANSFORMATIONS

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Module Overview :

These are initial baby steps to get you started with Power Query. It will explain you how to import data from different sources and then perform some fundamental data cleaning steps in Power Query.

Module Videos

- Importing Data from Excel
- Importing Data from Other Sources
- Loading and Refreshing
- Performing Column Transformations
- Performing Row Transformations
- Data Cleaning – Text Functions (LEFT, MID, LEN Etc..)
- Mathematical Operations – (Sum, Subtract, Divide, Multiply etc..)
- Extracting Information – (Day, Month, Year etc..)
- Writing IF Logic

MODULE 3 : APPENDING DATA

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Module Overview :

This module covers how to append data from multiple files in a folder or sheets in Excel. We'll also discuss the difference between referencing or duplicating a query.

Module Videos

- Append Queries – No more manually copy pasting data
- Referencing / Duplicate Queries
- Importing from Folders
- Importing from Folders – Multiple Files
- Creating Index of Files in a Folder
- Changing File Path

MODULE 4 : MERGING DATA AND LOOKUPS

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Module Overview :

This module teaches you different types of Lookups (*better known as JOINS*) that possible in Power Query

Module Videos

- Limitation of VLOOKUP – 6 Joins in Power Query – Part 1
- Limitation of VLOOKUP – 6 Joins in Power Query – Part 2
- Cross Joins

MODULE 5 : FUNDAMENTALS OF M LANGUAGE

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Module Overview :

Eventually you'll need to move beyond standard click based options in Power Query and use M functions. We'll also cover the "M" fundamentals and frequently used M functions.

Module Videos

- Building Blocks of M
- Text Formula in M
- Date Formulas in M
- Conditional Formulas in M - IF
- Complex Conditional Formulas in M – Nested IF, AND, OR
- In Built Conditional Logic – Using Conditional Column

MODULE 6 : MERGING DATA AND LOOKUPS

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Module Overview :

We'll apply our learning to solve real time data cleaning problems. This module will strengthen your logical thinking skills for applying various commands inside Power Query.

Module Videos

- Financial Statements Case – transform financial data to tabular format
- Payroll Case – transform monthly payroll data
- Address Book Case – transforming row stacking of addresses
- Multiple Filters Case – automating multiple filters on data
- Rows to Column Data – complex transpose
- Lookup Discount Case – lookup from multiple tables
- Invoice Data Case – cleaning invoice data
- Sales Analysis Case

MODULE 7 : ADVANCED CONCEPTS (Lists, Records & Tables)

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Module Overview :

Taking your knowledge about Power Query to next level with M language. You will understand the fundamental aspects of M language and objects inside it. These objects would be later useful in transforming complex datasets.

Module Videos

- What are Lists ?
- What are Records ?
- What are Tables ?
- Quick Recap

MODULE 8 : ADVANCED CASES

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Module Overview :

With advanced knowledge about Power Query objects we'll solve even more complex real time data cleaning examples.

Module Videos

- Dynamic Data Extraction Techniques
- Preparing a Calendar Table
- Performing Ratio Calculations in Power Query
- Performing Multiple Filers on a Column – 2nd Approach

Meet your Instructor !

goodly



Hi! My name is **Abhay Gadiya**

I am Chartered Accountant, Certified Fraud Examiner and have completed Diploma in Information System Audit.

For the past 16 years, I have been working extensively with BIG 4 consulting firms specializing in Data Analytics, Internal & External Audits, SOX Compliance, Risk Assessment and Regulatory reporting.

I have had the pleasure of conducting data analytics workshops at Institute of Chartered Accountants of India with over 600+ attendees.

And of-course I am a friend of Chandeeep 😊.

Chandeeep Says...



I started learning Power Query through this course and I'll say it is AWESOME!

The case studies that Abhay uses to explain different features of Power Query are highly relevant to real life data problems. You'll be amazed with the course content

I personally vet for this course!

If you are looking to take your data skills to the next level, this course will be worth every penny and minute of your time

look forward to see you inside!

GET STARTED!