# POWER QUERY RECIPES

Master Your Data in Excel & Power Bl







# **About Power Query Recipes**

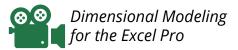
These cards are a set of ready-to-use Power Query Recipes to lead you step-by-step through a variety of data transformations and techniques. These cards are a useful reference where you can look up the exact steps needed for a particular data transformation pattern. We hope you find them as handy as we do ourselves!

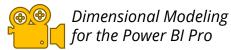
### **Using the Recipe Cards**

The Table of Contents and the recipe cards are fully linked so you can easily navigate between them. Clicking on the recipe number or name on the Table of Contents will take you directly to that recipe. Likewise, if a recipe card references another recipe, clicking that reference will take you directly to the referenced recipe.

Many of the recipes are also linked to corresponding videos in one or more of our Skillwave Training courses, and are indicated with the video icons shown here:







If you are enrolled in the corresponding course(s) indicated on the recipe card, clicking the video icon will take you to that video on the course site. Please note that you will first need to login to the course site before being able to watch the video. You will not be able to watch the video if you are not enrolled in the corresponding course.

If you are on the ongoing subscription of these cards, we will let you know when new cards have been added to the set you so can download your updated copy.



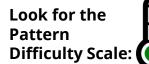
#### 00. BEST PRACTICE ARCHITECTURES

0.100.1902	Files as a Data Source
0.110.2010	Creating a Staging Query
0.120.2010	Modifying Query Load Destinations
0.410.2010	Creating Fact Tables
0.510.2010	Creating Dimension Tables
0.520.2010	Creating Bridge Tables
0.530.2010	Creating Composite Keys
0.540.2010	Flattening Snowflaked Dimensions
0.550.2203	Quickly Setting Data Type of All Columns

#### 10. SPLITTING DATA

10.100.1910 Split Records into Columns10.105.1910 Split Records into Rows

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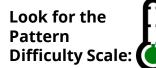




#### 20. RESHAPING DATA

20.100.1910	Pivoting Data
20.105.1910	Unpivoting Data
20.106.1906	Keep nulls During Unpivot
20.107.1910	Prevent Errors During Unpivot
20.110.1910	Transposing Data
20.115.1910	Unpivot Subcategorized Data
20.116.1910	Unpivot Subcategories – Big Data
20.120.2112	Pivoting Stacked Data
20.130.2112	Pivoting Vertical Sets
20.140.2012	Pivoting Horizontal Pairs
20.150.2103	Remove Top x (Dynamic) Rows

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#### 30. COMBINING DATA

30.100.1910	7 Ways to Join Your Data
30.105.2103	Exact Match
30.110.2103	Left Outer Join
30.111.2103	Right Outer Join
30.112.2103	Full Outer Join
30.113.2103	Inner Join
30.114.2103	Left Anti Join
30.115.2103	Right Anti Join
30.116.2103	Full Anti Join
30.120.2203	Cartesian Product (Many to Many Join)
30.125.1910	Approximate Match
30.130.2012	Fuzzy Matching

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#### 35. APPENDING DATA

35.100.1910	Basic Append
35.400.1908	Appending Data Recipe Navigation
35.410.1910	Local/Network Drive "FilesList" Query
35.412.1901	SharePoint/Office 365 Groups "FilesList" Query
35.414.1901	OneDrive for Business "FilesList" Query
35.420.1910	Combine All "Flat" Files in a Folder
35.500.1910	Appending a Named Worksheet or Table from Multiple Excel Files
35.510.1907	Appending Contents of x <sup>th</sup> Table or Worksheet from Multiple Excel Files
35.520.1907	Appending Contents and Name of x <sup>th</sup> Table

#### **40. CONDITIONAL LOGIC**

40.100.1910	Extract to New Column Based on Prior Row
40.105.1910	Extract to New Column Based on Next Row

#### **Course for Corresponding Video:**

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#### 50. RANKING

50.100.2001	Ordinal Ranking
50.105.2001	Standard Competition Ranking
50.110.2001	Modified Competition Ranking
50.115.2001	Dense Ranking
50.120.2004	Fractional Ranking
50.125.2010	Number Grouped Rows

#### 60. DATE & TIME TECHNIQUES

60.001.2010	Overview: Creating Dynamic Calendar Tables Part 1
60.002.2010	Overview: Creating Dynamic Calendar Tables Part 2
60.100.2010	Dynamic Calendar Boundaries: Standard Year Ends
60.105.2010	Dynamic Calendar Boundaries: Non-Standard Year Ends
60.110.2010	Helper Queries for Custom Calendars
60.120.2010	Year End Adjustment for Non-Standard Year Ends: 12-Month Calendars
60.130.2010	Year End Adjustment for Non-Standard Year Ends: 364-Day Calendars

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#### 60. DATE & TIME TECHNIQUES CONTINUED...

60.210.2010	Dynamic Calendar: Start Date to End Date
60.220.2004	Dynamic Calendar: Start Date + x Days
60.330.2010	Fiscal Periods for 12-Month Non-Standard Year Ends
60.410.2010	PeriodID Column Recipes for 364-Day Calendars
60.420.2010	MonthID Column Recipe for 364-Day Calendars
60.430.2010	Fiscal Period Columns for 445/454/544 Calendars
60.510.2010	PeriodID Column Formulae for 13 x 4-Week Calendars
60.530.2010	Fiscal Period Columns for 13 x 4-Week Calendars
60.800.2010	Replace <i>null</i> with Current Date
60.850.2109	Creating a Custom GetMonthEnds Function
60.855.2109	Creating a Custom GetYearEnds Function
60.900.1903	Convert a Unix Timestamp to a Valid Date
60.910.1903	Convert UTC DateTime to Local DateTime
60.920.1903	Switching DateTimes Zones

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#### **Course for Corresponding Video:**

#### 65. ALLOCATING VALUES

65.100.2109	Allocating Values Over Periods Between Two Dates
65.101.2109	Allocating Values Over x Periods From a Start Date
65.110.2109	Allocate Evenly to Each Day in Period
65.120.2109	Allocate to Month by Days in Period
65.130.2109	Allocate Evenly to each Month in Period
65.220.2109	Allocate to Year by Days in Period
65.230.2109	Allocate Evenly to each Year in Period
65.310.2109	Allocate Over x Months from Start Date
65.320.2112	Allocate Over x Years from Start Date
65.410.2109	Allocate Over x Consecutive Days from Start
65.420.2109	Allocate Over x Instances at y Intervals

#### 70. MISCELLANEOUS

70.100.2112	Add a Random Number to all Table Rows
70.110.1908	Difference from Prior Row
70.120.1908	Import the Most Recent File in a Folder
70.130.2203	Choosing Columns vs Removing Columns

Look for the







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