

Transforming data

INTRODUCTION TO POWER BI



Iason Prassides

Content Developer, DataCamp

Transforming data

- Dataset may contain:
 - Columns you don't need
 - Inconvenient and inconsistent formatting
 - Extra characters
 - Blank rows
- Cleaning data

Loading data

FactSale.csv

File Origin: 65001: Unicode (UTF-8) Delimiter: Comma Data Type Detection: Based on first 200 rows

Sale Key	City Key	Customer Key	Bill To Customer Key	Stock Item Key	Invoice Date Key	Delivery Date Key	Salesperson Key	W1
49258	71135	0	0	194	10/22/2013	10/23/2013	86	
49265	41568	0	0	204	10/22/2013	10/23/2013	83	
49456	70409	0	0	202	10/22/2013	10/23/2013	74	
49372	48937	0	0	173	10/22/2013	10/23/2013	83	
49624	41981	0	0	168	10/24/2013	10/25/2013	85	
49635	70510	0	0	164	10/24/2013	10/25/2013	84	
49908	66274	0	0	198	10/25/2013	10/26/2013	70	
50034	44106	0	0	180	10/25/2013	10/26/2013	85	
50190	56014	0	0	195	10/26/2013	10/27/2013	74	
50487	79969	0	0	164	10/28/2013	10/29/2013	19	
50367	81342	0	0	180	10/28/2013	10/29/2013	85	
50379	91464	0	0	174	10/28/2013	10/29/2013	70	
50436	38583	0	0	192	10/28/2013	10/29/2013	19	
50715	85575	0	0	190	10/29/2013	10/30/2013	39	
50739	81481	0	0	168	10/29/2013	10/30/2013	83	
50914	75393	0	0	171	10/30/2013	10/31/2013	74	
51426	87371	0	0	163	11/4/2013	11/5/2013	84	
51623	47499	0	0	179	11/5/2013	11/6/2013	19	
51656	84269	0	0	187	11/5/2013	11/6/2013	19	
51680	52627	0	0	184	11/5/2013	11/6/2013	91	

Extract Table Using Examples Load Transform Data Cancel

Loading data

FactSale.csv

File Origin: 65001: Unicode (UTF-8) Delimiter: Comma Data Type Detection: Based on first 200 rows

Sale Key	City Key	Customer Key	Bill To Customer Key	Stock Item Key	Invoice Date Key	Delivery Date Key	Salesperson Key	W1
49258	71135	0	0	194	10/22/2013	10/23/2013	86	
49265	41568	0	0	204	10/22/2013	10/23/2013	83	
49456	70409	0	0	202	10/22/2013	10/23/2013	74	
49372	48937	0	0	173	10/22/2013	10/23/2013	83	
49624	41981	0	0	168	10/24/2013	10/25/2013	85	
49635	70510	0	0	164	10/24/2013	10/25/2013	84	
49908	66274	0	0	198	10/25/2013	10/26/2013	70	
50034	44106	0	0	180	10/25/2013	10/26/2013	85	
50190	56014	0	0	195	10/26/2013	10/27/2013	74	
50487	79969	0	0	164	10/28/2013	10/29/2013	19	
50367	81342	0	0	180	10/28/2013	10/29/2013	85	
50379	91464	0	0	174	10/28/2013	10/29/2013	70	
50436	38583	0	0	192	10/28/2013	10/29/2013	19	
50715	85575	0	0	190	10/29/2013	10/30/2013	39	
50739	81481	0	0	168	10/29/2013	10/30/2013	83	
50914	75393	0	0	171	10/30/2013	10/31/2013	74	
51426	87371	0	0	163	11/4/2013	11/5/2013	84	
51623	47499	0	0	179	11/5/2013	11/6/2013	19	
51656	84269	0	0	187	11/5/2013	11/6/2013	19	
51680	52627	0	0	184	11/5/2013	11/6/2013	91	

Extract Table Using Examples Load Transform Data Cancel

Loading data

FactSale.csv

File Origin: 65001: Unicode (UTF-8) Delimiter: Comma Data Type Detection: Based on first 200 rows

Sale Key	City Key	Customer Key	Bill To Customer Key	Stock Item Key	Invoice Date Key	Delivery Date Key	Salesperson Key	W1
49258	71135	0	0	194	10/22/2013	10/23/2013	86	
49265	41568	0	0	204	10/22/2013	10/23/2013	83	
49456	70409	0	0	202	10/22/2013	10/23/2013	74	
49372	48937	0	0	173	10/22/2013	10/23/2013	83	
49624	41981	0	0	168	10/24/2013	10/25/2013	85	
49635	70510	0	0	164	10/24/2013	10/25/2013	84	
49908	66274	0	0	198	10/25/2013	10/26/2013	70	
50034	44106	0	0	180	10/25/2013	10/26/2013	85	
50190	56014	0	0	195	10/26/2013	10/27/2013	74	
50487	79969	0	0	164	10/28/2013	10/29/2013	19	
50367	81342	0	0	180	10/28/2013	10/29/2013	85	
50379	91464	0	0	174	10/28/2013	10/29/2013	70	
50436	38583	0	0	192	10/28/2013	10/29/2013	19	
50715	85575	0	0	190	10/29/2013	10/30/2013	39	
50739	81481	0	0	168	10/29/2013	10/30/2013	83	
50914	75393	0	0	171	10/30/2013	10/31/2013	74	
51426	87371	0	0	163	11/4/2013	11/5/2013	84	
51623	47499	0	0	179	11/5/2013	11/6/2013	19	
51656	84269	0	0	187	11/5/2013	11/6/2013	19	
51680	52627	0	0	184	11/5/2013	11/6/2013	91	

Extract Table Using Examples Load Transform Data Cancel

Power Query Editor

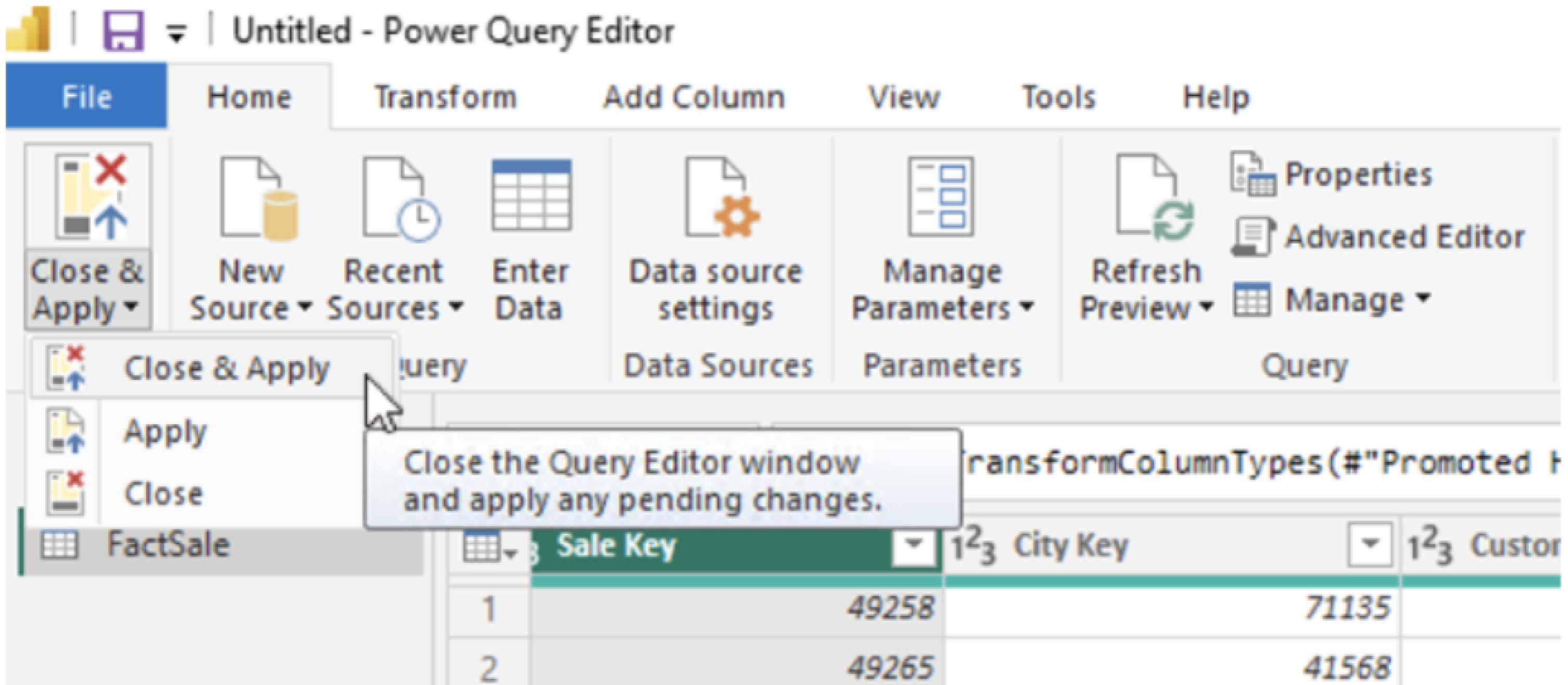
The screenshot shows the Microsoft Power Query Editor interface. The top menu bar includes File, Home, Transform, Add Column, View, Tools, and Help. The ribbon below the menu has sections for Close & Apply, New Source, Recent Sources, Enter Data, Data source settings, Manage Parameters, Refresh Preview, Advanced Editor, Choose Columns, Remove Columns, Keep Rows, Remove Rows, Sort, Split Column, Group By, Replace Values, Data Type: Whole Number, Merge Queries, Append Queries, Combine Files, Text Analytics, Vision, Azure Machine Learning, and AI Insights.

The main area displays a table titled "FactSale" with 21 columns and 999+ rows. The columns are labeled: Sale Key, City Key, Customer Key, Bill To Customer Key, Stock Item Key, Invoice Date Key, and Delivery Date Key. The table contains numerical values for most columns, with some cells containing "0". The "Invoice Date Key" and "Delivery Date Key" columns contain dates such as "10/22/2013" and "10/23/2013".

On the right side, there is a "Query Settings" pane. It shows the "Name" field set to "FactSale" under the "PROPERTIES" section. Under "APPLIED STEPS", it lists "Source", "Promoted Headers", and "Changed Type". The "Changed Type" step is currently selected.

At the bottom of the editor, a status bar indicates "21 COLUMNS, 999+ ROWS" and "Column profiling based on top 1000 rows". On the far right, it says "PREVIEW DOWNLOADED AT 12:13 PM".

Don't forget to Close & Apply



Let's practice!

INTRODUCTION TO POWER BI

Power Query Editor

INTRODUCTION TO POWER BI



Iason Prassides

Content Developer, DataCamp

Let's practice!

INTRODUCTION TO POWER BI

Transforming and formatting columns

INTRODUCTION TO POWER BI



Jason Prassides

Content Developer, DataCamp

Let's practice!

INTRODUCTION TO POWER BI