

Transforming data

INTRODUCTION TO POWER BI



Lis Sulmont

Curriculum Manager, 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	Weight
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	

Load

Transform Data

Cancel

Loading data

FactSale.csv

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Loading data

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Load Transform Data Cancel

Power Query Editor

FileHomeTransformAdd ColumnViewToolsHelp

Close & ApplyClose

New SourceNew Query

Recent Sources

Enter Data

Data source settingsData Sources

Manage ParametersParameters

Refresh PreviewQuery

PropertiesAdvanced EditorManage

Choose ColumnsManage Columns

Remove Columns

Keep RowsReduce Rows

Remove Rows

Sort

Split ColumnGroup ByTransform

Data Type: Whole NumberUse First Row as HeadersReplace Values

Merge QueriesAppend QueriesCombine FilesCombine

Queries [1]

FactSale

	123 Sale Key	123 City Key	123 Customer Key	123 Bill To Customer Key	123 Stock Item
1	49258	71135	0	0	
2	49265	41568	0	0	
3	49456	70409	0	0	
4	49372	48937	0	0	
5	49624	41981	0	0	
6	49635	70510	0	0	
7	49908	66274	0	0	
8	50034	44106	0	0	
9	50190	56014	0	0	
10	50487	79969	0	0	
11	50367	81342	0	0	
12	50379	91464	0	0	
13	50436	38583	0	0	
14	50715	85575	0	0	
15	50739	81481	0	0	
16	50914	75393	0	0	
17	51426	87371	0	0	
18	51623	47499	0	0	
19	51656	84269	0	0	
20	51680	52627	0	0	
21	51759	55733	0	0	
22	51852	48937	0	0	
23					

Query Settings

PROPERTIES

NameFactSale

All Properties

APPLIED STEPS

Source

Promoted Headers

Changed Type

21 COLUMNS, 999+ ROWSColumn profiling based on top 1000 rowsPREVIEW DOWNLOADED AT 3:42 PM

Don't forget to Close & Apply

Untitled - Power Query Editor

File Home Transform Add Column View Help

Close & Apply New Recent Enter Data Data source settings Manage Parameters Refresh Preview Properties Advanced Editor Manage Choose Columns

Close & Apply Apply Close

Close the Query Editor window and apply any pending changes.

= Table.TransformColumnTypes(#"Changed Type",

	Cost of living	Crime	Culture	Health
1	19	21	10	12
2	25	22	15	10
3	12	4	31	8

Let's practice!

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Power Query Editor

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Transforming and formatting columns

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