

TASK 2 – DATA CLEANING (POWER QUERY)

Detect and Remove Duplicates or Missing Values

Screenshot of the Power Query Editor showing the 'order_details' query.

File | Untitled - Power Query Editor | Home | Transform | Add Column | View | Tools | Help

Queries [4]

- order_details
- orders
- pizza_types
- pizzas

Query Settings

PROPERTIES

Name: order_details

All Properties

APPLIED STEPS

- Source
- Promoted Headers
- Changed Type
- Kept First Rows
- Removed Duplicates

Table Preview:

```
= Table.Distinct(#"Kept First Rows", {"order_details_id"})
```

	order_details_id	order_id	pizza_id	quantity
1	100 distinct, 100 unique	41 distinct, 15 unique	52 distinct, 29 unique	2 distinct, 1 unique
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				

4 COLUMNS, 100 ROWS Column profiling based on top 1000 rows

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File Home Transform Add Column View Tools Help

Close & Apply New Recent Sources Enter Data source settings Manage Parameters Export query results Refresh Preview Advanced Editor Properties Choose Columns Remove Columns Keep Rows Remove Rows Sort Data Type: Whole Number Merge Queries Append Queries Combine Close New Query Data Sources Manage Query Manage Columns Split Column Group By Replace Values Combine Files

Queries [4]

order_details

orders pizza_types pizzas

= Table.Distinct(#"Kept First Rows", {"order_details_id"})

	order_details_id	order_id	pizza_id	quantity
1	1	1	hawaiian_m	1
2	2	2	classic_dlx_m	1
3	3	2	five_cheese_l	1
4	4	2	ital_supr_l	1
5	5	2	mexicana_m	1
6	6	2	thai_ckn_l	1
7	7	3	ital_supr_m	1
8	8	3	prsc_argla_l	1
9	9	4	ital_supr_m	1
10	10	5	ital_supr_m	1
11	11	6	bbq_ckn_s	1
12	12	6	the_greek_s	1
13	13	7	spinach_supr_s	1
14	14	8	spinach_supr_s	1
15	15	9	classic_dlx_s	1
16	16	9	green_garden_s	1
17	17	9	ital_cpcllo_l	1
18	18	9	ital_supr_l	1
19	19	9	ital_supr_s	1
20	20	9	mexicana_s	1
21	21	9	spicy_ital_l	1
22	22	9	spin_pesto_l	1
23	23	9	veggie_veg_s	1
24	24	10	mexicana_l	1

4 COLUMNS, 100 ROWS Column profiling based on top 1000 rows

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Query Settings

PROPERTIES

Name: order_details

All Properties

APPLIED STEPS

- Source
- Promoted Headers
- Changed Type
- Kept First Rows
- Removed Duplicates

Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Close & Apply New Recent Sources Enter Data source settings Manage Parameters Export query results Refresh Preview Advanced Editor Properties Choose Columns Remove Columns Keep Rows Remove Rows Sort Split Column Group By Data Type: Whole Number Merge Queries Use First Row as Headers Append Queries Combine Output Data Query Manage Columns Reduce Rows Replace Values Combine Files

Queries [4]

order_details
orders (selected)
pizza_types
pizzas

= Table.Distinct(#"Kept First Rows", {"order_id"})

	order_id	date	time
1	1	1/1/2015	11:38:36 AM
2	2	1/1/2015	11:57:40 AM
3	3	1/1/2015	12:12:28 PM
4	4	1/1/2015	12:16:31 PM
5	5	1/1/2015	12:21:30 PM
6	6	1/1/2015	12:29:36 PM
7	7	1/1/2015	12:50:37 PM
8	8	1/1/2015	12:51:37 PM
9	9	1/1/2015	12:52:01 PM
10	10	1/1/2015	1:00:15 PM
11	11	1/1/2015	1:02:59 PM
12	12	1/1/2015	1:04:41 PM
13	13	1/1/2015	1:11:55 PM
14	14	1/1/2015	1:14:19 PM
15	15	1/1/2015	1:33:00 PM
16	16	1/1/2015	1:34:07 PM
17	17	1/1/2015	1:53:00 PM
18	18	1/1/2015	1:57:08 PM
19	19	1/1/2015	1:59:09 PM
20	20	1/1/2015	2:03:08 PM
21	21	1/1/2015	2:14:29 PM
22	22	1/1/2015	2:16:26 PM
23	23	1/1/2015	2:19:03 PM
24	24	1/1/2015	2:23:01 PM

3 COLUMNS, 100 ROWS Column profiling based on top 1000 rows

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Query Settings

PROPERTIES

Name: orders
All Properties

APPLIED STEPS

- Source
- Promoted Headers
- Changed Type
- Kept First Rows
- Removed Duplicates (selected)

Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Close & Apply ▾ Close New Source ▾ Sources Enter Data Data source settings Manage Parameters Export query results Refresh Preview Advanced Editor Properties Choose Columns ▾ Remove Columns ▾ Keep Rows ▾ Remove Rows ▾ Split Column ▾ Group By Data Type: Text ▾ Merge Queries ▾ Use First Row as Headers ▾ Append Queries ▾ Combine Files Replace Values Combine

Queries [4]

= Table.Distinct(#"Changed Type", {"pizza_id"})

	A ^b c pizza_id	A ^b c pizza_type_id	A ^b c size	1.2 price
1	bbq_chn_s	bbq_chn	S	12.75
2	bbq_chn_m	bbq_chn	M	16.75
3	bbq_chn_l	bbq_chn	L	20.75
4	cali_chn_s	call_chn	S	12.75
5	cali_chn_m	call_chn	M	16.75
6	cali_chn_l	call_chn	L	20.75
7	ckn_alfredo_s	ckn_alfredo	S	12.75
8	ckn_alfredo_m	ckn_alfredo	M	16.75
9	ckn_alfredo_l	ckn_alfredo	L	20.75
10	ckn pesto_s	ckn pesto	S	12.75
11	ckn pesto_m	ckn pesto	M	16.75
12	ckn pesto_l	ckn pesto	L	20.75
13	southw_chn_s	southw_chn	S	12.75
14	southw_chn_m	southw_chn	M	16.75
15	southw_chn_l	southw_chn	L	20.75
16	thai_chn_s	thai_chn	S	12.75
17	thai_chn_m	thai_chn	M	16.75
18	thai_chn_l	thai_chn	L	20.75
19	big meat_s	big meat	S	12
20	big meat_m	big meat	M	16
21	big meat_l	big meat	L	20.5
22	classic dlx_s	classic dlx	S	12
23	classic dlx_m	classic dlx	M	16
24	classic dlx_l	classic dlx	L	20.5

4 COLUMNS, 96 ROWS Column profiling based on top 1000 rows

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Query Settings

PROPERTIES

- Name: pizzas
- All Properties

APPLIED STEPS

- Source
- Promoted Headers
- Changed Type
- Removed Duplicates

STANDARDIZE COLUMN NAMES AND DATA TYPES

Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Data Type: Fixed decimal number ▾ Replace Values ▾ Unpivot Columns ▾
 Detect Data Type Fill Move ▾ Split Column ABC 123 Extract ▾ Trigonometry ▾
 Reverse Rows Pivot Column Convert to List Format Parse ▾ Statistics Standard Scientific ▾ Date ▾
 Count Rows Rename Any Column Text Column Number Column Information ▾ Time ▾ Duration ▾ Run R script R Py
 Group By Date & Time Column Scripts
 Use First Row as Headers
 Count Rows
 Table

Queries [4]

Properties
 Name: pizzas
 All Properties

Applied Steps

- Source
- Promoted Headers
- Changed Type
- Removed Duplicates
- Changed Type1 (highlighted)

Query Settings

= Table.TransformColumnTypes(#"Removed Duplicates",{{"price", Currency.Type}})

	A ^B C pizza_id	A ^B C pizza_type_id	A ^B C size	\$ price
1	bbq_ckn_s	bbq_ckn	S	12.75
2	bbq_ckn_m	bbq_ckn	M	16.75
3	bbq_ckn_l	bbq_ckn	L	20.75
4	cali_ckn_s	cali_ckn	S	12.75
5	cali_ckn_m	cali_ckn	M	16.75
6	cali_ckn_l	cali_ckn	L	20.75
7	ckn_alfredo_s	ckn_alfredo	S	12.75
8	ckn_alfredo_m	ckn_alfredo	M	16.75
9	ckn_alfredo_l	ckn_alfredo	L	20.75
10	ckn_pesto_s	ckn_pesto	S	12.75
11	ckn_pesto_m	ckn_pesto	M	16.75
12	ckn_pesto_l	ckn_pesto	L	20.75
13	southw_ckn_s	southw_ckn	S	12.75
14	southw_ckn_m	southw_ckn	M	16.75
15	southw_ckn_l	southw_ckn	L	20.75
16	thai_ckn_s	thai_ckn	S	12.75
17	thai_ckn_m	thai_ckn	M	16.75
18	thai_ckn_l	thai_ckn	L	20.75
19	big_meat_s	big_meat	S	12.00
20	big_meat_m	big_meat	M	16.00
21	big_meat_l	big_meat	L	20.50
22	classic_dlx_s	classic_dlx	S	12.00
23	classic_dlx_m	classic_dlx	M	16.00
24	classic_dlx_l	classic_dlx	L	20.50
25	hawaiian_s	hawaiian	S	10.50
26	hawaiian_m	hawaiian	M	13.25
27	hawaiian_l	hawaiian	L	16.50
28	ital_cpcollo_s	ital_cpcollo	S	12.00
29	ital_cpcollo_m	ital_cpcollo	M	16.00
30	ital_cpcollo_l	ital_cpcollo	L	20.50

4 COLUMNS, 96 ROWS Column profiling based on top 1000 rows PREVIEW DOWNLOADED AT 1:02 PM

Untitled - Power Query Editor

File Home Transform Add Column View Tools Help

Transpose Data Type: Text Replace Values Unpivot Columns Merge Columns
Reverse Rows Detect Data Type Fill Move ABC Extract Statistics Standard Scientific Trigonometry
Group Use First Row By as Headers Count Rows Any Column Split Column Format Parse Date Time Duration
Rename Pivot Column Convert to List Text Column Number Column Information Date & Time Column Scripts
Table R Py Run R script Run Python script

Queries [4]

- order_details
- orders
- pizza_types**
- pizzas

Table = Table.TransformColumns(#"Removed Duplicates", {"name", Text.Proper, type text}, {"category", Text.Proper, type text}, {"ingredients", Text.Clean, type text})

#	name	category	ingredients
1	bbq_ckn	Chicken	Barbecued Chicken, Red Peppers, Green Peppers, Tomatoes, Red Onion...
2	cali_ckn	Chicken	Chicken, Artichoke, Spinach, Garlic, Jalapeno Peppers, Fontina Cheese,...
3	ckn_alfredo	Chicken	Chicken, Red Onions, Red Peppers, Mushrooms, Asiago Cheese, Alfredo...
4	cki_pesto	Chicken	Chicken, Tomatoes, Red Peppers, Spinach, Garlic, Pesto Sauce
5	southw_ckn	Chicken	Chicken, Tomatoes, Red Peppers, Red Onions, Jalapeno Peppers, Corn,...
6	thai_ckn	Chicken	Chicken, Pineapple, Tomatoes, Red Peppers, Thai Sweet Chilli Sauce
7	big_meat	Classic	Bacon, Pepperoni, Italian Sausage, Chorizo Sausage
8	classic_dlx	Classic	Pepperoni, Mushrooms, Red Onions, Red Peppers, Bacon
9	hawaiian	Classic	Sliced Ham, Pineapple, Mozzarella Cheese
10	ital_cpollo	Classic	Capocollo, Red Peppers, Tomatoes, Goat Cheese, Garlic, Oregano
11	napolitana	Classic	Tomatoes, Anchovies, Green Olives, Red Onions, Garlic
12	pep_msh_pep	Classic	Pepperoni, Mushrooms, Green Peppers
13	pepperoni	Classic	Mozzarella Cheese, Pepperoni
14	the_greek	Classic	Kalamata Olives, Feta Cheese, Tomatoes, Garlic, Beef Chuck Roast, Re...
15	brie_carre	Supreme	Brie Carre Cheese, Prosciutto, Caramelized Onions, Pears, Thyme, Garlic
16	calabrese	Supreme	'Nduja Salami, Pancetta, Tomatoes, Red Onions, Friggitello Peppers, G...
17	ital_supr	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions, Green Olives, Gar...
18	peppr_salami	Supreme	Genoa Salami, Capocollo, Pepperoni, Tomatoes, Asiago Cheese, Garlic
19	prsc_argla	Supreme	Prosciutto Di San Daniele, Arugula, Mozzarella Cheese
20	sicilian	Supreme	Coarse Sicilian Salami, Tomatoes, Green Olives, Luganega Sausage, Oni...
21	soppressata	Supreme	Soppressata Salami, Fontina Cheese, Mozzarella Cheese, Mushrooms, ...
22	spicy_ital	Supreme	Capocollo, Tomatoes, Goat Cheese, Artichokes, Peperoncini Verdi, Gar...
23	spinach_supr	Supreme	Spinach, Red Onions, Pepperoni, Tomatoes, Artichokes, Kalamata Oliv...
24	five_cheese	Veggie	Mozzarella Cheese, Provolone Cheese, Smoked Gouda Cheese, Roman...
25	four_cheese	Veggie	Ricotta Cheese, Gorgonzola Piccante Cheese, Mozzarella Cheese, Par...
26	green_garden	Veggie	Spinach, Mushrooms, Tomatoes, Green Olives, Feta Cheese
27	ital_veggie	Veggie	Eggplant, Artichokes, Tomatoes, Zucchini, Red Peppers, Garlic, Pesto S...
28	mediterraneo	Veggie	Spinach, Artichokes, Kalamata Olives, Sun-Dried Tomatoes, Feta Chees...
29	mexicana	Veggie	Tomatoes, Red Peppers, Jalapeno Peppers, Red Onions, Cilantro, Corn...
30	spin_pesto	Veggie	Spinach, Artichokes, Tomatoes, Sun-Dried Tomatoes, Garlic, Pesto Sau...

4 COLUMNS, 32 ROWS Column profiling based on top 1000 rows

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Query Settings

PROPERTIES
Name: pizza_types
All Properties

APPLIED STEPS

- Source
- Changed Type
- Promoted Headers
- Changed Type1
- Removed Duplicates
- Capitalized Each Word**

PERFORM NECESSARY TRANSFORMATIONS (SPLIT, MERGE, REPLACE VALUES)

Screenshot of Microsoft Power Query Editor showing the transformation of the 'orders' query.

Query Settings

- Properties:**
 - Name: orders
 - All Properties
- Applied Steps:**
 - Source
 - Promoted Headers
 - Changed Type
 - Removed Duplicates
 - Inserted Merged Column (selected)

Transform ribbon:

- File, Home, Transform, Add Column, View, Tools, Help
- Conditional Column, Index Column, Duplicate Column
- Merge Columns, Extract, Parse
- Format, Statistics, Standard, Scientific, From Text, From Number, From Date & Time
- Date, Time, Duration

Queries [4]

The 'orders' query preview shows the following data:

order_id	date	time	order_datetime
1	1/1/2015	11:38:36 AM	1/1/2015 11:38 AM
2	1/1/2015	11:57:40 AM	1/1/2015 11:57 AM
3	1/1/2015	12:12:28 PM	1/1/2015 12:12 PM
4	1/1/2015	12:16:31 PM	1/1/2015 12:16 PM
5	1/1/2015	12:21:30 PM	1/1/2015 12:21 PM
6	1/1/2015	12:29:36 PM	1/1/2015 12:29 PM
7	1/1/2015	12:50:37 PM	1/1/2015 12:50 PM
8	1/1/2015	12:51:37 PM	1/1/2015 12:51 PM
9	1/1/2015	12:52:01 PM	1/1/2015 12:52 PM
10	1/1/2015	1:00:15 PM	1/1/2015 1:00 PM
11	1/1/2015	1:02:59 PM	1/1/2015 1:02 PM
12	1/1/2015	1:04:41 PM	1/1/2015 1:04 PM
13	1/1/2015	1:11:55 PM	1/1/2015 1:11 PM
14	1/1/2015	1:14:19 PM	1/1/2015 1:14 PM
15	1/1/2015	1:33:00 PM	1/1/2015 1:33 PM
16	1/1/2015	1:34:07 PM	1/1/2015 1:34 PM
17	1/1/2015	1:53:00 PM	1/1/2015 1:53 PM
18	1/1/2015	1:57:08 PM	1/1/2015 1:57 PM
19	1/1/2015	1:59:09 PM	1/1/2015 1:59 PM
20	1/1/2015	2:03:08 PM	1/1/2015 2:03 PM
21	1/1/2015	2:14:29 PM	1/1/2015 2:14 PM
22	1/1/2015	2:16:26 PM	1/1/2015 2:16 PM
23	1/1/2015	2:19:03 PM	1/1/2015 2:19 PM
24	1/1/2015	2:23:01 PM	1/1/2015 2:23 PM
25	1/1/2015	2:44:44 PM	1/1/2015 2:44 PM
26	1/1/2015	2:54:26 PM	1/1/2015 2:54 PM
27	1/1/2015	3:11:17 PM	1/1/2015 3:11 PM
28	1/1/2015	3:35:46 PM	1/1/2015 3:35 PM
29	1/1/2015	3:41:01 PM	1/1/2015 3:41 PM
30	1/1/2015	3:41:25 PM	1/1/2015 3:41 PM

4 COLUMNS 999+ ROWS Column profiling based on top 1000 rows

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Task

File Home Transform Add Column View Tools Help

Transpose Replace Values Unpivot Columns Merge Columns

Group Use First Row as Headers Reverse Rows Detect Data Type Fill Move

Count Rows Rename Pivot Column Convert to List

Split Column Format ABC Extract Text Column

Statistics Standard Scientific Trigonometry Rounding

10² Information Date Time Duration

Run R Run Python Scripts

Queries [4]

order_details
orders
pizza_types
pizzas

= Table.SplitColumn(#"Filtered Rows", "ingredients", Splitter.SplitTextByDelimiter(", ", QuoteStyle.Csv), {"ingredients.1", "ingredients.2", "ingredients.3", "ingredients.4", "ingredients.5"})

	A _c category	A _c ingredients.1	A _c ingredients.2	A _c ingredients.3	A _c ingredients.4	A _c ingredients.5
1	Chicken	Barbecued Chicken	Red Peppers	Green Peppers	Tomatoes	Red Onions
2	Chicken	Chicken	Artichoke	Spinach	Garlic	Jalapeno Peppers
3	Chicken	Chicken	Red Onions	Red Peppers	Mushrooms	Asiago Cheese
4	Chicken	Chicken	Tomatoes	Red Peppers	Spinach	Garlic
5	Chicken	Chicken	Tomatoes	Red Peppers	Red Onions	Jalapeno Peppers
6	Chicken	Chicken	Pineapple	Tomatoes	Red Peppers	Thai Sweet Chilli Sauce
7	Classic	Bacon	Pepperoni	Italian Sausage	Chorizo Sausage	
8	Classic	Pepperoni	Mushrooms	Red Onions	Red Peppers	Bacon
9	Classic	Sliced Ham	Pineapple	Mozzarella Cheese		null
10	Classic	Capocollo	Red Peppers	Tomatoes	Goat Cheese	Garlic
11	Classic	Tomatoes	Anchovies	Green Olives	Red Onions	Garlic
12	Peppers Pizza	Classic	Pepperoni	Mushrooms	Green Peppers	null
13	Classic	Mozzarella Cheese	Pepperoni			null
14	Classic	Kalamata Olives	Feta Cheese	Tomatoes	Garlic	Beef Chuck Roast
15	Supreme	Brie Carre Cheese	Prosciutto	Caramelized Onions	Pears	Thyme
16	Supreme	'Nduja Salami	Pancetta	Tomatoes	Red Onions	Friggitello Peppers
17	Supreme	Calabrese Salami	Capocollo	Tomatoes	Red Onions	Green Olives
18	Supreme	Genoa Salami	Capocollo	Pepperoni	Tomatoes	Asiago Cheese
19	Supreme	Prosciutto Di San Daniele	Arugula	Mozzarella Cheese		null
20	Supreme	Coarse Sicilian Salami	Tomatoes	Green Olives	Luganega Sausage	Onions
21	Supreme	Soppressata Salami	Fontina Cheese	Mozzarella Cheese	Mushrooms	Garlic
22	Supreme	Capocollo	Tomatoes	Goat Cheese	Artichokes	Peperoncini Verdi
23	Supreme	Spinach	Red Onions	Pepperoni	Tomatoes	Artichokes
24	Veggie	Mozzarella Cheese	Provolone Cheese	Smoked Gouda Cheese	Romano Cheese	Blue Cheese
25	Veggie	Ricotta Cheese	Gorgonzola Piccante Cheese	Mozzarella Cheese	Parmigiano Reggiano Cheese	Garlic
26	Veggie	Spinach	Mushrooms	Tomatoes	Green Olives	Feta Cheese
27	Veggie	Eggplant	Artichokes	Tomatoes	Zucchini	Red Peppers
28	Veggie	Spinach	Artichokes	Kalamata Olives	Sun-Dried Tomatoes	Feta Cheese
29	Veggie	Tomatoes	Red Peppers	Jalapeno Peppers	Red Onions	Cilantro
30	Veggie	Spinach	Artichokes	Tomatoes	Sun-Dried Tomatoes	Garlic

11 COLUMNS, 32 ROWS Column profiling based on top 1000 rows

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Query Settings

PROPERTIES

Name: pizza_types
All Properties

APPLIED STEPS

Source
Changed Type
Promoted Headers
Changed Type1
Removed Duplicates
Capitalized Each Word
Filtered Rows

Split Column by Delimiter

Task

File Home Transform Add Column View Tools Help

Close & Apply New Source Sources Enter Data Data source settings Manage Parameters Export query results Refresh Preview Advanced Editor Properties Choose Columns Remove Columns Keep Rows Remove Rows Split Column Group By Data Type: Whole Number Merge Queries Append Queries Combine

Close New Query Data Sources Parameters Output Data Query Manage Columns Sort Transform Combine

Queries [6]

= Table.Sort(#"Expanded pizza_details",{{"order_details_id", Order.Ascending}, {"order_id", Order.Ascending}})

order_details_id	order_id	pizza_id	quantity	pizza_details.size	price	pizza_det
1	1	1 hawaiian_m	1 M		13.25	The Hawaii
2	2	2 classic_dlx_m	1 M		16	The Classic
3	3	2 five_cheese_l	1 L		18.5	The Five C
4	4	2 ital_supr_l	1 L		20.75	The Italian
5	5	2 mexicana_m	1 M		16	The Mexic
6	6	2 thai_ckn_l	1 L		20.75	The Thai Cl
7	7	3 ital_supr_m	1 M		16.5	The Italian
8	8	3 prsc_argla_l	1 L		20.75	The Prosci
9	9	4 ital_supr_m	1 M		16.5	The Italian
10	10	5 ital_supr_m	1 M		16.5	The Italian
11	11	6 bbq_ckn_s	1 S		12.75	The Barbec
12	12	6 the_greek_s	1 S		12	The Greek
13	13	7 spinach_supr_s	1 S		12.5	The Spinac
14	14	8 spinach_supr_s	1 S		12.5	The Spinac
15	15	9 classic_dlx_s	1 S		12	The Classic
16	16	9 green_garden_s	1 S		12	The Green
17	17	9 ital_cpcillo_l	1 L		20.5	The Italian
18	18	9 ital_supr_l	1 L		20.75	The Italian
19	19	9 ital_supr_s	1 S		12.5	The Italian
20	20	9 mexicana_s	1 S		12	The Mexic
21	21	9 spicy_ital_l	1 L		20.75	The Spicy I
22	22	9 spin_pesto_l	1 L		20.75	The Spinac
23	23	9 veggie_veg_s	1 S		12	The Vegeta
24	24	10 mexicana_l	1 L		20.25	The Mexic
25	25	10 southw_ckn_l	1 L		20.75	The Southw
26	26	11 bbq_ckn_l	1 L		20.75	The Barbec
27	27	11 cali_ckn_l	1 L		20.75	The Califor
28	28	11 cali_ckn_m	1 M		16.75	The Califor
29	29	11 pepperoni_l	1 L		15.25	The Pepper
30	30	11 pest_ckn_l	1 L		20.75	The Califor

9 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

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Query Settings

PROPERTIES

Name: ordered_pizza_details

All Properties

APPLIED STEPS

- Source
- Expanded pizza_details
- Sorted Rows

Task

File Home Transform Add Column View Tools Help

Transpose Data Type: Text Replace Values Unpivot Columns Merge Columns

Group By Use First Row as Headers Reverse Rows Detect Data Type Fill Move ABC Extract Statistics Standard Scientific Trigonometry

Count Rows Rename Pivot Column Convert to List Split Column Format Parse Number Column Date Time Duration

Table Any Column Text Column Date & Time Column Scripts

Queries [4]

= Table.TransformColumns(#"Trimmed Text",{{"ingredients", Text.Clean, type text}})

#	pizza_type_id	name	category	ingredients
1	bbq_ckn	The Barbecue Chicken Pizza	Chicken	Barbecued Chicken, Red Peppers, Green Peppers, Tomatoes, Red Onion...
2	cali_ckn	The California Chicken Pizza	Chicken	Chicken, Artichoke, Spinach, Garlic, Jalapeno Peppers, Fontina Cheese,...
3	ckn_alfredo	The Chicken Alfredo Pizza	Chicken	Chicken, Red Onions, Red Peppers, Mushrooms, Asiago Cheese, Alfred...
4	ckn_pesto	The Chicken Pesto Pizza	Chicken	Chicken, Tomatoes, Red Peppers, Spinach, Garlic, Pesto Sauce
5	southw_ckn	The Southwest Chicken Pizza	Chicken	Chicken, Tomatoes, Red Peppers, Red Onions, Jalapeno Peppers, Corn,...
6	thai_ckn	The Thai Chicken Pizza	Chicken	Chicken, Pineapple, Tomatoes, Red Peppers, Thai Sweet Chilli Sauce
7	big_meat	The Big Meat Pizza	Classic	Bacon, Pepperoni, Italian Sausage, Chorizo Sausage
8	classic_dlx	The Classic Deluxe Pizza	Classic	Pepperoni, Mushrooms, Red Onions, Red Peppers, Bacon
9	hawaiian	The Hawaiian Pizza	Classic	Sliced Ham, Pineapple, Mozzarella Cheese
10	ital_cpollo	The Italian Capocollo Pizza	Classic	Capocollo, Red Peppers, Tomatoes, Goat Cheese, Garlic, Oregano
11	napolitana	The Napolitana Pizza	Classic	Tomatoes, Anchovies, Green Olives, Red Onions, Garlic
12	pep_msh_pep	The Pepperoni, Mushroom, And Peppers Pizza	Classic	Pepperoni, Mushrooms, Green Peppers
13	pepperoni	The Pepperoni Pizza	Classic	Mozzarella Cheese, Pepperoni
14	the_greek	The Greek Pizza	Classic	Kalamata Olives, Feta Cheese, Tomatoes, Garlic, Beef Chuck Roast, Re...
15	brie_carre	The Brie Carre Pizza	Supreme	Brie Carre Cheese, Prosciutto, Caramelized Onions, Pears, Thyme, Garlic
16	calabrese	The Calabrese Pizza	Supreme	'Nduja Salami, Pancetta, Tomatoes, Red Onions, Friggitello Peppers, G...
17	ital_supr	The Italian Supreme Pizza	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions, Green Olives, Gar...
18	peppr_salami	The Pepper Salami Pizza	Supreme	Genoa Salami, Capocollo, Pepperoni, Tomatoes, Asiago Cheese, Garlic
19	prsc_argla	The Prosciutto And Arugula Pizza	Supreme	Prosciutto Di San Daniele, Arugula, Mozzarella Cheese
20	sicilian	The Sicilian Pizza	Supreme	Coarse Sicilian Salami, Tomatoes, Green Olives, Lunganega Sausage, Oni...
21	soppressata	The Soppressata Pizza	Supreme	Soppressata Salami, Fontina Cheese, Mozzarella Cheese, Mushrooms, ...
22	spicy_ital	The Spicy Italian Pizza	Supreme	Capocollo, Tomatoes, Goat Cheese, Artichokes, Peperoncini Verdi, Gar...
23	spinach_supr	The Spinach Supreme Pizza	Supreme	Spinach, Red Onions, Pepperoni, Tomatoes, Artichokes, Kalamata Oliv...
24	five_cheese	The Five Cheese Pizza	Veggie	Mozzarella Cheese, Provolone Cheese, Smoked Gouda Cheese, Roman...
25	four_cheese	The Four Cheese Pizza	Veggie	Ricotta Cheese, Gorgonzola Piccante Cheese, Mozzarella Cheese, Par...
26	green_garden	The Green Garden Pizza	Veggie	Spinach, Mushrooms, Tomatoes, Green Olives, Feta Cheese
27	ital_veggie	The Italian Vegetables Pizza	Veggie	Eggplant, Artichokes, Tomatoes, Zucchini, Red Peppers, Garlic, Pesto S...
28	mediterraneo	The Mediterranean Pizza	Veggie	Spinach, Artichokes, Kalamata Olives, Sun-Dried Tomatoes, Feta Chees...
29	mexicana	The Mexicana Pizza	Veggie	Tomatoes, Red Peppers, Jalapeno Peppers, Red Onions, Cilantro, Corn,...
30	spin_pesto	The Spinach Pesto Pizza	Veggie	Spinach, Artichokes, Tomatoes, Sun-Dried Tomatoes, Garlic, Pesto Sau...

4 COLUMNS, 32 ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 7:22 PM

Query Settings

PROPERTIES

Name: pizza_types
All Properties

APPLIED STEPS

- Source
- Changed Type
- Promoted Headers
- Changed Type1
- Removed Duplicates
- Capitalized Each Word
- Filtered Rows
- Trimmed Text
- Cleaned Text

Task

File **Home** **Transform** Add Column View Tools Help

Transpose Data Type: Text Replace Values Unpivot Columns Merge Columns
 Group Use First Row By Reverse Rows Detect Data Type Fill Move ABC 123 Extract Statistics Standard Scientific Trigonometry
 Count Rows Rename Pivot Column Convert to List Split Column Format Parse Date Time Duration Run R script
 Any Column Text Column Number Column Date & Time Column Run Python script Scripts

Queries [4]

= Table.ReplaceValue(#"Filtered Rows", "L", "Large", Replacer.ReplaceText, {"size"})

	A ^b c pizza_id	A ^b c pizza_type_id	A ^b c size	\$ price
1	bbq_ckn_s	bbq_ckn	S	12.75
2	bbq_ckn_m	bbq_ckn	M	16.75
3	bbq_ckn_l	bbq_ckn	Large	20.75
4	cali_ckn_s	cali_ckn	S	12.75
5	cali_ckn_m	cali_ckn	M	16.75
6	cali_ckn_l	cali_ckn	Large	20.75
7	ckn_alfredo_s	ckn_alfredo	S	12.75
8	ckn_alfredo_m	ckn_alfredo	M	16.75
9	ckn_alfredo_l	ckn_alfredo	Large	20.75
10	ckn_pesto_s	ckn_pesto	S	12.75
11	ckn_pesto_m	ckn_pesto	M	16.75
12	ckn_pesto_l	ckn_pesto	Large	20.75
13	southw_ckn_s	southw_ckn	S	12.75
14	southw_ckn_m	southw_ckn	M	16.75
15	southw_ckn_l	southw_ckn	Large	20.75
16	thai_ckn_s	thai_ckn	S	12.75
17	thai_ckn_m	thai_ckn	M	16.75
18	thai_ckn_l	thai_ckn	Large	20.75
19	big_meat_s	big_meat	S	12.00
20	big_meat_m	big_meat	M	16.00
21	big_meat_l	big_meat	Large	20.50
22	classic_dlx_s	classic_dlx	S	12.00
23	classic_dlx_m	classic_dlx	M	16.00
24	classic_dlx_l	classic_dlx	Large	20.50
25	hawaiian_s	hawaiian	S	10.50
26	hawaiian_m	hawaiian	M	13.25
27	hawaiian_l	hawaiian	Large	16.50
28	ital_cpcillo_s	ital_cpcillo	S	12.00
29	ital_cpcillo_m	ital_cpcillo	M	16.00
30	ital_cpcillo_l	ital_cpcillo	Large	20.50

4 COLUMNS, 96 ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 7:25 PM

Query Settings

PROPERTIES
 Name: pizzas
 All Properties

APPLIED STEPS

- Source
- Promoted Headers
- Changed Type
- Removed Duplicates
- Changed Type1
- Filtered Rows
- Replaced Value

Created new table from pizza_types and pizzas

Task

The screenshot shows the Power BI Desktop interface with the following details:

- File** tab selected.
- Home**, **Transform**, **Add Column**, **View**, **Tools**, **Help** tabs visible.
- Queries [5]** pane on the left lists: order_details, orders, pizza_types, pizzas, and pizza_details (selected).
- Query Editor** pane displays a query result table with columns: pizza_id, pizza_type_id, size, price, and pizza_types.
- Query Settings** pane on the right shows:
 - PROPERTIES**: Name set to pizza_details, All Properties button.
 - APPLIED STEPS**: Source step listed.
- Bottom Status Bar** indicates: 5 COLUMNS, 96 ROWS, Column profiling based on top 1000 rows, PREVIEW DOWNLOADED AT 7:35 PM.

	pizza_id	pizza_type_id	size	price	pizza_types
1	bbq_ckn_s	bbq_ckn	S	12.75	Table
2	bbq_ckn_m	bbq_ckn	M	16.75	Table
3	bbq_ckn_l	bbq_ckn	L	20.75	Table
4	cali_ckn_s	cali_ckn	S	12.75	Table
5	cali_ckn_m	cali_ckn	M	16.75	Table
6	cali_ckn_l	cali_ckn	L	20.75	Table
7	ckn_alfredo_s	ckn_alfredo	S	12.75	Table
8	ckn_alfredo_m	ckn_alfredo	M	16.75	Table
9	ckn_alfredo_l	ckn_alfredo	L	20.75	Table
10	ckn_pesto_s	ckn_pesto	S	12.75	Table
11	ckn_pesto_m	ckn_pesto	M	16.75	Table
12	ckn_pesto_l	ckn_pesto	L	20.75	Table
13	southw_ckn_s	southw_ckn	S	12.75	Table
14	southw_ckn_m	southw_ckn	M	16.75	Table
15	southw_ckn_l	southw_ckn	L	20.75	Table
16	thai_ckn_s	thai_ckn	S	12.75	Table
17	thai_ckn_m	thai_ckn	M	16.75	Table
18	thai_ckn_l	thai_ckn	L	20.75	Table
19	big_meat_s	big_meat	S	12.00	Table
20	big_meat_m	big_meat	M	16.00	Table
21	big_meat_l	big_meat	L	20.50	Table
22	classic_dlx_s	classic_dlx	S	12.00	Table
23	classic_dlx_m	classic_dlx	M	16.00	Table
24	classic_dlx_l	classic_dlx	L	20.50	Table
25	hawaiian_s	hawaiian	S	10.50	Table
26	hawaiian_m	hawaiian	M	13.25	Table
27	hawaiian_l	hawaiian	L	16.50	Table
28	ital_cpcollo_s	ital_cpcollo	S	12.00	Table
29	ital_cpcollo_m	ital_cpcollo	M	16.00	Table
30	ital_cpcollo_l	ital_cpcollo	L	20.50	Table

Created new table from orders and pizza details

Screenshot of Microsoft Power Query Editor showing the creation of a new table from 'orders' and 'pizza_details'.

Queries [6]

- order_details
- orders
- pizza_types
- pizzas
- pizza_details
- ordered_pizza_details**

Query Settings

PROPERTIES

Name: ordered_pizza_details

APPLIED STEPS

- Source
- Expanded pizza_details
- Sorted Rows**

Table View

Formula Bar: = Table.Sort(#"Expanded pizza_details",{{"order_details_id", Order.Ascending}, {"order_id", Order.Ascending}})

order_details_id	order_id	pizza_id	quantity	pizza_details.size	price	pizza_details.type
1	1	1 hawaiian_m	1	M	13.25	The Hawaii
2	2	2 classic_dlx_m	1	M	16	The Classic
3	3	2 five_cheese_l	1	L	18.5	The Five Chee
4	4	2 ital_supr_l	1	L	20.75	The Italian
5	5	2 mexicana_m	1	M	16	The Mexicana
6	6	2 thai_ckn_l	1	L	20.75	The Thai Cl
7	7	3 ital_supr_m	1	M	16.5	The Italian
8	8	3 prsc_argla_l	1	L	20.75	The Prosci
9	9	4 ital_supr_m	1	M	16.5	The Italian
10	10	5 ital_supr_m	1	M	16.5	The Italian
11	11	6 bbq_ckn_s	1	S	12.75	The Barbec
12	12	6 the_greek_s	1	S	12	The Greek
13	13	7 spinach_supr_s	1	S	12.5	The Spinac
14	14	8 spinach_supr_s	1	S	12.5	The Spinac
15	15	9 classic_dlx_s	1	S	12	The Classic
16	16	9 green_garden_s	1	S	12	The Green
17	17	9 ital_cpollo_l	1	L	20.5	The Italian
18	18	9 ital_supr_l	1	L	20.75	The Italian
19	19	9 ital_supr_s	1	S	12.5	The Italian
20	20	9 mexicana_s	1	S	12	The Mexica
21	21	9 spicy_ital_l	1	L	20.75	The Spicy Ital
22	22	9 spin_pesto_l	1	L	20.75	The Spinac
23	23	9 veggie_veg_s	1	S	12	The Vegeta
24	24	10 mexicana_l	1	L	20.25	The Mexica
25	25	10 southw_ckn_l	1	L	20.75	The Southw
26	26	11 bbq_ckn_l	1	L	20.75	The Barbec
27	27	11 cali_ckn_l	1	L	20.75	The Califor
28	28	11 cali_ckn_m	1	M	16.75	The Califor
29	29	11 pepperoni_l	1	L	15.25	The Pepperoni
30	30	12 cali_ckn_l	1	I	20.75	The Califor

9 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 7:47 PM

Added column Amount

Task

File Home Transform Add Column View Tools Help

Column From Examples Custom Invoke Custom Function General

Conditional Column Index Column Duplicate Column

Format From Text From Number From Date & Time

Statistics Standard Scientific Trigonometry Rounding Information

Date Time Duration

Queries [6]

= Table.AddColumn(#"Changed Type", "Amount", each [quantity]*[pizza_details.price])

order_details.name	pizza_details.pizza_types.category	pizza_details.pizza_types.ingredients	orders.order_datetime	Amount
1	Classic	Sliced Ham, Pineapple, Mozzarella Cheese	1/1/2015 11:38:00 AM	13.25
2	Classic	Pepperoni, Mushrooms, Red Onions, Red Peppers, Bacon	1/1/2015 11:57:00 AM	16
3	Veggie	Mozzarella Cheese, Provolone Cheese, Smoked Gouda Cheese, Roman...	1/1/2015 11:57:00 AM	18.5
4	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions, Green Olives, Gar...	1/1/2015 11:57:00 AM	20.75
5	Veggie	Tomatoes, Red Peppers, Jalapeno Peppers, Red Onions, Cilantro, Corn...	1/1/2015 11:57:00 AM	16
6	Chicken	Chicken, Pineapple, Tomatoes, Red Peppers, Thai Sweet Chilli Sauce	1/1/2015 11:57:00 AM	20.75
7	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions, Green Olives, Gar...	1/1/2015 12:12:00 PM	16.5
8	Pizza	Prosciutto Di San Daniele, Arugula, Mozzarella Cheese	1/1/2015 12:12:00 PM	20.75
9	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions, Green Olives, Gar...	1/1/2015 12:16:00 PM	16.5
10	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions, Green Olives, Gar...	1/1/2015 12:21:00 PM	16.5
11	Chicken	Barbecued Chicken, Red Peppers, Green Peppers, Tomatoes, Red Onion...	1/1/2015 12:29:00 PM	12.75
12	Classic	Kalamata Olives, Feta Cheese, Tomatoes, Garlic, Beef Chuck Roast, Re...	1/1/2015 12:29:00 PM	12
13	Supreme	Spinach, Red Onions, Pepperoni, Tomatoes, Artichokes, Kalamata Oliv...	1/1/2015 12:50:00 PM	12.5
14	Supreme	Spinach, Red Onions, Pepperoni, Tomatoes, Artichokes, Kalamata Oliv...	1/1/2015 12:51:00 PM	12.5
15	Classic	Pepperoni, Mushrooms, Red Onions, Red Peppers, Bacon	1/1/2015 12:52:00 PM	12
16	Veggie	Spinach, Mushrooms, Tomatoes, Green Olives, Feta Cheese	1/1/2015 12:52:00 PM	12
17	Classic	Capocollo, Red Peppers, Tomatoes, Goat Cheese, Garlic, Oregano	1/1/2015 12:52:00 PM	20.5
18	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions, Green Olives, Gar...	1/1/2015 12:52:00 PM	20.75
19	Supreme	Calabrese Salami, Capocollo, Tomatoes, Red Onions, Green Olives, Gar...	1/1/2015 12:52:00 PM	12.5
20	Veggie	Tomatoes, Red Peppers, Jalapeno Peppers, Red Onions, Cilantro, Corn...	1/1/2015 12:52:00 PM	12
21	Supreme	Capocollo, Tomatoes, Goat Cheese, Artichokes, Peperoncini Verdi, Gar...	1/1/2015 12:52:00 PM	20.75
22	Veggie	Spinach, Artichokes, Tomatoes, Sun-Dried Tomatoes, Garlic, Pesto Sau...	1/1/2015 12:52:00 PM	20.75
23	Pizza	Mushrooms, Tomatoes, Red Peppers, Green Peppers, Red Onions, Zuc...	1/1/2015 12:52:00 PM	12
24	Veggie	Tomatoes, Red Peppers, Jalapeno Peppers, Red Onions, Cilantro, Corn...	1/1/2015 1:00:00 PM	20.25
25	Chicken	Chicken, Tomatoes, Red Peppers, Red Onions, Jalapeno Peppers, Corn...	1/1/2015 1:00:00 PM	20.75
26	Chicken	Barbecued Chicken, Red Peppers, Green Peppers, Tomatoes, Red Onion...	1/1/2015 1:02:00 PM	20.75
27	Chicken	Chicken, Artichoke, Spinach, Garlic, Jalapeno Peppers, Fontina Cheese,...	1/1/2015 1:02:00 PM	20.75
28	Chicken	Chicken, Artichoke, Spinach, Garlic, Jalapeno Peppers, Fontina Cheese,...	1/1/2015 1:02:00 PM	16.75
29	Classic	Mozzarella Cheese, Pepperoni	1/1/2015 1:02:00 PM	15.25
30	Chicken	Chicken, Artichoke, Spinach, Garlic, Jalapeno Peppers, Fontina Cheese,...	1/1/2015 1:02:00 PM	20.75

Query Settings

PROPERTIES

Name: ordered_pizza_details

All Properties

APPLIED STEPS

- Source
- Expanded pizza_details
- Sorted Rows
- Merged Queries
- Expanded orders
- Changed Type
- Added Custom

11 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

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Task

File Home Transform Add Column View Tools Help

Transpose Data Type: Whole Number Replace Values Unpivot Columns
 Group Use First Row By as Headers
 Reverse Rows Detect Data Type Fill Move
 Count Rows Rename Pivot Column Convert to List

Split Column Format ABC Extract
 Merge Columns Parse
 Statistics Standard Scientific Trigonometry
 Text Column Number Column Date & Time Column Scripts

Date Time Duration Run R Run Python script
 Py

Queries [7]

order_details
 orders
 pizza_types
 pizzas
 pizza_details
 ordered_pizza_details
ordered_amount_details

= Table.Group(#"Added Custom", {"order_details_id"}, {"total_amount", each List.Sum([Amount]), type number})

1	2	1.2 total_amount
1	1	13.25
2	2	16
3	3	18.5
4	4	20.75
5	5	16
6	6	20.75
7	7	16.5
8	8	20.75
9	9	16.5
10	10	16.5
11	11	12.75
12	12	12
13	13	12.5
14	14	12.5
15	15	12
16	16	12
17	17	20.5
18	18	20.75
19	19	12.5
20	20	12
21	21	20.75
22	22	20.75
23	23	12
24	24	20.25
25	25	20.75
26	26	20.75
27	27	20.75
28	28	16.75
29	29	15.25
30	30	20.75

2 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 8:07 PM

Query Settings

PROPERTIES

Name: ordered_amount_details

All Properties

APPLIED STEPS

- Source
- Expanded pizza_details
- Sorted Rows
- Merged Queries
- Expanded orders
- Changed Type
- Added Custom
- Grouped Rows**