



# **CLEANING DATA IN POWER QUERY**

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**International Association Crime Analysts**

**March 15, 2023**

# INSTRUCTOR & COURSE INTRODUCTION

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## Power Query

- ✓ Power Query documentation  
<https://docs.microsoft.com/en-us/power-query>
- ✓ Power Query M Language documentation  
<https://learn.microsoft.com/en-us/powerquery-m/power-query-m-language-specification>



# CONTENTS

- ✓ Cleaning Data in Power Query
  - *Date/ time cleaning*
  - *Text cleaning*
  - *Number cleaning*
- ✓ Additional Information
- ✓ Conclusion and QA

# POWER QUERY – POWER QUERY EDITOR

The screenshot shows the Power Query Editor interface. The ribbon at the top is labeled '1'. The Query Settings pane on the right is labeled '2'. The Queries list on the left is labeled '3'. The Formula Bar at the top center is labeled '4' and contains the formula: `= Table.TransformColumnTypes(Source,{{"Names", type text}, {"Scores", Int64.Type}})`. The Data Preview table in the center is labeled '5' and contains the following data:

	Names	Scores
1	Darby Mcnutt	30
2	Luke Pedro	32
3	Angele Westgate	60
4	Micheal Marquez	76
5	Milly Shill	32
6	Dona Enders	38
7	Emely Outler	71
8	Sandy Guild	89
9	Yvette Jagers	64
10	Farah Matzke	73
11	Ardella Grasty	37
12	Weston Balli	36
13	Shameka Symonds	69
14	Annalisa Mcgovern	93
15	Classie Font	87
16	Elene Havel	47
17	Nevada Edgley	65
18	Mui Reiss	46
19	Riva Kuhl	58
20	Dione Nordman	59

At the bottom left, it says '2 COLUMNS, 50 ROWS Column profiling based on top 1000 rows'. At the bottom right, it says 'PREVIEW DOWNLOADED AT 2:33 PM'.

**1. Ribbon**

**2. Applied Steps**

**3. Queries**

**4. Formula Bar**

**5. Data Preview**

# DATABASE SAN FRANCISCO

## Police Department Incident Reports: 2018 to Present

Public Safety

### A. SUMMARY

Read the [detailed overview of this dataset](#).

This dataset includes incident reports that have been filed as of January 1, 2018. These reports [More](#)

View Data Visualize Export API ...

Download Police Department Incident Reports: 2018 to Present

Download Police Department Incident Reports: 2018 to Present for offline use in other applications.

CSV KML Shapefile

Additional Formats

[CSV for Excel](#) [KMZ](#) [TSV for Excel](#)

[CSV for Excel \(Europe\)](#) [RDF](#) [XML](#)

[GEOJSON](#) [RSS](#)

Updated  
January 24, 2023  
Data Provider  
Police Department

### Featured Content Using this Data

Public [Map of Police Department Incident Reports: 2018 to Pr...](#)

January 24, 2023 36.7K Views

Public [SFPD Narcan/ Naloxone Deployment Chart & Table](#)

January 24, 2023 209 Views

Public [SFPD Narcan/ Naloxone Deployment](#)

January 24, 2023 175 Views

## Incident\_Report.xlsx

Police_Department_Incident_Repo							
1	Incident Datetime	Report Datetime	Row ID	Incident ID	Incident Number	CAD Number	Report T
2	1/1/2020 0:00	6/23/2021 15:16	1.04312E+11	1043121	210393732	211742241	II
3	1/1/2020 0:00	6/23/2021 13:49	1.04296E+11	1042957	210392784	211741908	II
4	1/1/2020 0:00	3/15/2022 12:50	1.13107E+11	1131074	220122593	220540832	IS
5	1/1/2020 0:00	12/30/2021 14:00	1.10746E+11	1107459	210863440	213642117	II
6	1/1/2020 0:00	3/23/2022 8:59	1.13332E+11	1133319	220122593	220540832	IS
7	1/1/2020 0:00	5/16/2022 15:17	1.15085E+11	1150849	220319762	221362002	II
8	1/1/2020 0:00	5/17/2022 9:48	1.15115E+11	1151149	220321563	221370811	II
9	1/1/2020 0:00	4/18/2022 18:00	1.14207E+11	1142074	220253665	221082525	II
10	1/1/2020 0:00	4/22/2022 7:28	1.1433E+11	1143304	220253665	221082525	IS
11	1/1/2020 0:00	7/25/2022 10:45	1.17446E+11	1174461	220492192	222061017	II
12	1/1/2020 0:00	7/27/2022 13:20	1.17774E+11	1177735	220319762	221362002	IS
13	1/1/2020 0:00	8/3/2022 9:06	1.17774E+11	1177744	220321563	221370811	IS
14	1/1/2020 0:00	8/8/2022 14:46	1.17935E+11	1179354	220528888	222201975	II
15	1/1/2020 0:00	2/1/2021 11:31	1.00136E+11	1001356	210071251	210321331	II
16	1/1/2020 0:00	3/1/2021 14:23	1.00956E+11	1009558	210136134	210601867	II
17	1/1/2020 0:00	3/3/2020 14:10	90907975030	909079	200160262	200632310	II
18	1/1/2020 0:00	3/17/2020 13:26	91355374000	913553	200194227	200771742	II
19	1/1/2020 0:00	2/19/2020 7:00	90443972000	904439	190629803	192372426	IS
20	1/1/2020 0:00	1/6/2020 12:29	88890871000	888908	206002638		II
21	1/1/2020 0:00	1/1/2020 13:56	88790606374	887906	206000933		II



# TRANSFORM DATA - POWER QUERY EDITOR

File Home Transform Add Column View

Close & Load Refresh Preview Advanced Editor Manage Query

Choose Columns Remove Columns Keep Rows Remove Rows Sort Split Column Group By Data Type: Date/Time Use First Row as Headers Replace Values Merge Queries Append Queries Combine Files Manage Parameters Data source settings New Source Recent Sources

Queries [1]  
Data

fx = Table.TransformColumnTypes(Data\_Table,{{"Incident Datetime", type datetime}, {"Report

	Incident Datetime	Report Datetime	Row ID	Incident ID	Incident Number	CAD
1	1/1/2020 12:00:00 AM	6/23/2021 3:16:00 PM	1.04312E+11	1043121	210393732	
2	1/1/2020 12:00:00 AM	6/23/2021 1:49:00 PM	1.04296E+11	1042957	210392784	
3	1/1/2020 12:00:00 AM	3/15/2022 12:50:00 PM	1.13107E+11	1131074	220122593	
4	1/1/2020 12:00:00 AM	12/30/2021 2:00:00 PM	1.10746E+11	1107459	210863440	
5	1/1/2020 12:00:00 AM	3/23/2022 8:59:00 AM	1.13332E+11	1133319	220122593	
6	1/1/2020 12:00:00 AM	5/16/2022 3:17:00 PM	1.15085E+11	1150849	220319762	
7	1/1/2020 12:00:00 AM	5/17/2022 9:48:00 AM	1.15115E+11	1151149	220321563	
8	1/1/2020 12:00:00 AM	4/18/2022 6:00:00 PM	1.14207E+11	1142074	220253665	
9	1/1/2020 12:00:00 AM	4/22/2022 7:28:00 AM	1.1433E+11	1143304	220253665	
10	1/1/2020 12:00:00 AM	7/25/2022 10:45:00 AM	1.17446E+11	1174461	220492192	
11	1/1/2020 12:00:00 AM	7/27/2022 1:20:00 PM	1.17774E+11	1177735	220319762	
12	1/1/2020 12:00:00 AM	8/3/2022 9:06:00 AM	1.17774E+11	1177744	220321563	
13	1/1/2020 12:00:00 AM	8/8/2022 2:46:00 PM	1.17935E+11	1179354	220528888	
14	1/1/2020 12:00:00 AM	2/1/2021 11:31:00 AM	1.00136E+11	1001356	210071251	
15	1/1/2020 12:00:00 AM	3/1/2021 2:23:00 PM	1.00956E+11	1009558	210136134	
16	1/1/2020 12:00:00 AM	3/3/2020 2:10:00 PM	90907975030	909079	200160262	
17	1/1/2020 12:00:00 AM	3/17/2020 1:26:00 PM	91355374000	913553	200194227	
18	1/1/2020 12:00:00 AM	3/18/2020 7:00:00 AM	90443073000	904430	100638803	

## Query Settings

**PROPERTIES**  
Name  
Data

**APPLIED STEPS**  
Source  
Navigation  
Changed Type

# DATE CLEANING – DATE AS NUMBERS/TEXT

File Home Transform Add Column View

Close & Load Close Refresh Preview Manage Query Properties Advanced Editor Manage Columns Choose Columns Remove Columns Keep Rows Remove Rows Sort Split Column Group By Data Type: Date/Time Use First Row as Headers Replace Values Merge Queries Append Queries Combine Files Manage Parameters Data source settings New Source Recent Sources

Queries [1] Data

fx = Table.TransformColumnTypes(Data\_Table,{{"Incident Datetime", type datetime}, {"Report

	ods (IIN) Areas	Current Supervisor Districts	Current Police Districts	Date	Time
1	null	7	10	20200413	130
2	null	7	10	20200413	130
3	null	2	9	20200415	16
4	null	10	1	20200415	2152
5	null	11	4	20200418	601
6	null	3	6	20200413	130
7	null	9	2	20200413	130
8	null	1	10	20200414	100
9	null	1	10	20200415	30

Query Settings

PROPERTIES Name Data All Properties

APPLIED STEPS Source Navigation Changed Type

File Home Transform Add Column View

Column From Examples Custom Column Invoke Custom Function Duplicate Column Conditional Column Index Column Merge Columns Format From Text Extract Parse Statistics Standard Scientific From Number Trigonometry Rounding Information Date Time Duration From Date & Time

Queries [1] Data

fx = Table.TransformColumnTypes(Data\_Table,{{"Incident Datetime", type datetime}, {"Report

	ods (IIN) Areas	Current Supervisor Districts	Current Police Districts	Date	Time
1	null	7	10	20200413	130
2	null	7	10	20200413	130
3	null	2	9	20200415	16
4	null	10	1	20200415	2152
5	null	11	4	20200418	601
6	null	3	6	20200413	130
7	null	9	2	20200413	130
8	null	1	10	20200414	100
9	null	1	10	20200415	30

Query Settings

PROPERTIES Name Data All Properties

APPLIED STEPS Source Navigation Changed Type

# DATE CLEANING – DATE AS NUMBERS



## Custom Column

Add a column that is computed from the other columns.

New column name

DateFormatted

Custom column formula

```
= Date.FromText(Number.ToText([Date]))
```

Available columns

- Supervisor District
- Latitude
- Longitude
- Point
- Neighborhoods
- Current Police Districts
- Date**
- Time

<< Insert

[Learn about Power Query formulas](#)

✓ No syntax errors have been detected.

OK

Cancel

# DATE CLEANING – DATE AS NUMBERS

FROM NUMBER | FROM DATE & TIME

"DateFormatted", each Date.FromText(Number.ToText

cts	Date	Time	DateFormatted
10	20200413	130	4/13/2020
10	20200413	130	4/13/2020
9	20200415	16	4/15/2020
1	20200415	2152	4/15/2020
4	20200418	601	4/18/2020
6	20200413	130	4/13/2020
2	20200413	130	4/13/2020
10	20200414	100	4/14/2020
10	20200415	30	4/15/2020
6	20200415	1600	4/15/2020
6	20200417	825	4/17/2020
2	20200417	903	4/17/2020
8	20200417	1835	4/17/2020
3	null	null	null
7	null	null	null
10	null	null	null

Que

PROF

Name

Data

All Pr

APPL

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C

# TIME CLEANING

File Home Transform Add Column View

Close & Load Close Refresh Preview Manage Query Properties Advanced Editor Manage Columns Choose Columns Remove Columns Keep Rows Remove Rows Sort Split Column Group By Data Type: Date/Time Use First Row as Headers Replace Values Merge Queries Append Queries Combine Files Manage Parameters Data source settings New Source Recent Sources

Queries [1] Data

= Table.TransformColumnTypes(Data\_Table,{{"Incident Datetime", type datetime}, {"Report

	ods (IIN) Areas	Current Supervisor Districts	Current Police Districts	Date	Time	
1	null	7	7	10	20200413	130
2	null	7	7	10	20200413	130
3	null	2	2	9	20200415	16
4	null	10	10	1	20200415	2152
5	null	11	11	4	20200418	601
6	null	3	3	6	20200413	130
7	null	9	9	2	20200413	130
8	null	1	1	10	20200414	100
9	null	1	1	10	20200415	30

Query Settings

PROPERTIES Name Data

APPLIED STEPS Source Navigation Changed Type

File Home Transform Add Column View

Column From Examples Custom Column Invoke Custom Function Duplicate Column Conditional Column Index Column Merge Columns Extract Parse Format From Text Statistics Standard Scientific From Number Trigonometry Rounding Information Date Time Duration From Date & Time

Queries [1] Data

= Table.TransformColumnTypes(Data\_Table,{{"Incident Datetime", type datetime}, {"Report

	ods (IIN) Areas	Current Supervisor Districts	Current Police Districts	Date	Time	
1	null	7	7	10	20200413	130
2	null	7	7	10	20200413	130
3	null	2	2	9	20200415	16
4	null	10	10	1	20200415	2152
5	null	11	11	4	20200418	601
6	null	3	3	6	20200413	130
7	null	9	9	2	20200413	130
8	null	1	1	10	20200414	100
9	null	1	1	10	20200415	30

Query Settings

PROPERTIES Name Data

APPLIED STEPS Source Navigation Changed Type

# TIME CLEANING

File Home Transform Add Column View

Column From Examples Custom Column Invoke Custom Function

General

Conditional Column Index Column Duplicate Column

Format From Text

Merge Columns Extract Parse

Statistics Standard Scientific

Trigonometry Rounding Information

Date Time Duration

From Date & Time

Queries [1] Data

fx = Table.TransformColumnTypes(Data\_Table,{{"Incident Datetime", type datetime}, {"Report

ods (IIN) Areas	Current Supervisor Districts	Current Police Districts	Date	Time
1	null	7	20200413	12
2	null	7	20200413	\$
3	null	2	20200415	1 <sup>2</sup> <sub>3</sub>
4	null	10	20200415	%
5	null	11	20200418	Date/Time
6	null	3	20200413	Date
7	null	9	20200413	Time
8	null	1	20200414	Date/Time/Timezone
9	null	1	20200415	Duration
10	null	3	20200415	Text
11	null	3	20200417	True/False
12	null	9	20200417	Binary
13	null	4	20200417	Using Locale...

Query Settings

PROPERTIES

APPLIED STEPS

Source

Navigation

Changed Type

File Home Transform Add Column View

Column From Examples Custom Column Invoke Custom Function

General

Conditional Column Index Column Duplicate Column

Format From Text

Merge Columns Extract Parse

Statistics Standard Scientific

Trigonometry Rounding Information

Date Time Duration

From Date & Time

Queries [1] Data

fx = Table.TransformColumnTypes(Data\_Table,{{"Incident Datetime", type datetime}, {"Report

ods (IIN) Areas	Current Supervisor Districts	Current Police Districts	Date	Time
1	null			
2	null			
3	null			
4	null			
5	null			
6	null			
7	null			
8	null			
9	null			

Change Column Type

The selected column has an existing type conversion. Would you like to replace the existing conversion, or preserve the existing conversion and add the new conversion as a separate step?

Replace current Add new step Cancel

Query Settings

PROPERTIES

Name

Data

All Properties

APPLIED STEPS

Source

Navigation

Changed Type

# TIME CLEANING

File Home Transform Add Column View

Column From Examples Custom Column Invoke Custom Function Duplicate Column Conditional Column Index Column Merge Columns Extract Parse Statistics Standard Scientific Trigonometry Rounding Information Date Time Duration

General From Text From Number From Date & Time

Queries [1]

Data

`= Table.TransformColumnTypes(Data_Table,{{"Incident Datetime", type datetime}}, {"Report`

	ods (IIN) Areas	Current Supervisor Districts	Current Police Districts	Date	Time
1	null	7	10	20200413	1:30:00 AM
2	null	7	10	20200413	1:30:00 AM
3	null	2	9	20200415	12:16:00 AM
4	null	10	1	20200415	9:52:00 PM
5	null	11	4	20200418	6:01:00 AM
6	null	3	6	20200413	1:30:00 AM
7	null	9	2	20200413	1:30:00 AM
8	null	1	10	20200414	1:00:00 AM
9	null	1	10	20200415	12:30:00 AM
10	null	3	6	20200415	4:00:00 PM

### Query Settings

**PROPERTIES**

Name:

[All Properties](#)

**APPLIED STEPS**

- Source
- Navigation
- Changed Type**

# CLEANING -NULL

Nulls is a special symbol that means either unknown or inapplicable.

**It does not mean zero or blank!!!!**

Can create problems when:

- functions such as COUNT, AVERAGE, and SUM are used
- with date/ time formatting

# TEXT CLEANING

File Home Transform **Add Column** View

Column From Custom Invoke Custom Examples Column Function

General

- Conditional Column
- Index Column
- Duplicate Column
- Format

Merge Columns

Extract

Parse

Statistics Standard Scientific

Trigonometry

Rounding

Information

Date Time Duration

From Text From Number From Date & Time

transformColumnTypes(Data\_Table, {"Incident Datetime", type datetime}, {"Report

	Incident Description	Resolution	Intersection	
80	False Personation to Receive Money or Property	Open or Active	LANE ST \ REVERE	
81	Lost Property	Open or Active	JAMESTOWN AVE	
82	False Personation to Receive Money or Property	Open or Active	JAMESTOWN AVE	
83	Lost Property	Open or Active	GEARY BLVD \ 22N	
84	Burglary - Residential	Burglary, Apartment House, Forcible Entry	Open or Active	MONTEREY BLVD \
85	Other	Resisting, Delaying, or Obstructing Peace Officer Duties	Open or Active	EDDY ST \ JONES S
86	Drunkenness	Alcohol, Under Influence Of In Public Place	Cite or Arrest Adult	EDDY ST \ JONES S
87	Simple Assault	Battery, Of A Police Officer	Cite or Arrest Adult	EDDY ST \ JONES S
88	Simple Assault	Battery, Of A Police Officer	Open or Active	EDDY ST \ JONES S
89	Other	Resisting, Delaying, or Obstructing Peace Officer Duties	Cite or Arrest Adult	EDDY ST \ JONES S

lowercase  
UPPERCASE  
Capitalize Each Word  
Trim  
Clean  
Add Prefix  
Add Suffix

Queries [1]  
Data

Query Settings

PROPERTIES

Name  
Data

All Properties

APPLIED STEPS

Source  
Navigation  
X Changed Type

File Home Transform Add Column View

Column From Custom Invoke Custom Examples Column Function

General

- Conditional Column
- Index Column
- Duplicate Column
- Format

Merge Columns

Extract

Parse

Statistics Standard Scientific

Trigonometry

Rounding

Information

Date Time Duration

From Text From Number From Date & Time

= Table.AddColumn("#Changed Type", "UPPERCASE", each Text.Upper([Incident Description]),

	Current Police Districts	Date	Time	UPPERCASE	
1	7	10	20200413	1:30:00 AM	BURGLARY, RESIDENCE, UNLAWFUL ENTRY
2	7	10	20200413	1:30:00 AM	FALSE CLAIMS, PRESENTING TO GOVERNMENT
3	2	9	20200415	12:16:00 AM	ACCESS CARD, INCL. CREDIT, PHONE, ATM, FRAUDULENT USE...
4	10	1	20200415	9:52:00 PM	SUSPICIOUS OCCURRENCE
5	11	4	20200418	6:01:00 AM	ACCESS CARD, INCL. CREDIT, PHONE, ATM, FRAUDULENT USE...
6	3	6	20200413	1:30:00 AM	FRAUDULENT USE OF AUTOMATED TELLER CARD
7	9	2	20200413	1:30:00 AM	ACCESS CARD, INCL. CREDIT, PHONE, ATM, FRAUDULENT USE...
8	1	10	20200414	1:00:00 AM	FALSE PERSONATION
9	1	10	20200415	12:30:00 AM	FALSE PERSONATION
10	3	6	20200415	4:00:00 PM	FALSE PERSONATION TO RECEIVE MONEY OR PROPERTY
11	3	6	20200417	8:25:00 AM	FRAUDULENT USE OF AUTOMATED TELLER CARD

Queries [1]  
Data

Query Settings

PROPERTIES

Name  
Data

All Properties

APPLIED STEPS

Source  
Navigation  
Changed Type  
X Inserted Uppercased Text

# TEXT CLEANING – TRIM VS CLEAN

**Trim** removes all the spaces from the beginning and end of the text values.

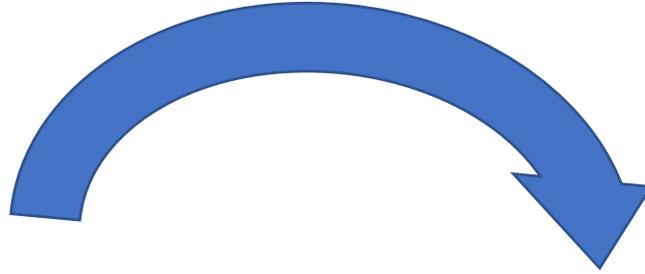
**Clean** removes all the control characters from the text value. This can include end of lines, tabs etc.



Trim removes all spaces from the beginning and the end of the text

Clean remove all Control characters

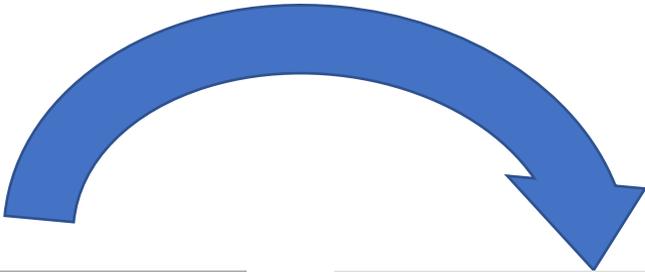
# CLEANING TEXT - TRIM



A <sup>B</sup> C Description trim	A
Burglary, Residence, Unlawful Entry	B
False Claims, Presenting to Government	F
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of Suspicious Occurrence	A
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of Fraudulent Use Of Automated Teller Card	F
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of False Personation	A
False Personation	F
False Personation to Receive Money or Property	F
Fraudulent Use Of Automated Teller Card	F
Access Card Counterfeiting Machinery, Possession of	A
Embezzlement, Grand Theft By Employee	E
Miscellaneous Investigation	M
Suspicious Occurrence	S

A <sup>B</sup> C Description trim	A
Burglary, Residence, Unlawful Entry	B
False Claims, Presenting to Government	F
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of Suspicious Occurrence	A
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of Fraudulent Use Of Automated Teller Card	F
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of False Personation	A
False Personation	F
False Personation to Receive Money or Property	F
Fraudulent Use Of Automated Teller Card	F
Access Card Counterfeiting Machinery, Possession of	A
Embezzlement, Grand Theft By Employee	E
Miscellaneous Investigation	M
Suspicious Occurrence	S

# CLEANING TEXT - CLEANING



A <sup>B</sup> C Description trim
Burglary, Residence, Unlawful Entry
False Claims, Presenting to Government
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of Suspicious Occurrence
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of Fraudulent Use Of Automated Teller Card
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of False Personation
False Personation
False Personation to Receive Money or Property
Fraudulent Use Of Automated Teller Card
Access Card Counterfeiting Machinery, Possession of Embezzlement, Grand Theft By Employee
Miscellaneous Investigation
Suspicious Occurrence

A <sup>B</sup> C Description trim
Burglary, Residence, Unlawful Entry
False Claims, Presenting to Government
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of Suspicious Occurrence
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of Fraudulent Use Of Automated Teller Card
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of False Personation
False Personation
False Personation to Receive Money or Property
Fraudulent Use Of Automated Teller Card
Access Card Counterfeiting Machinery, Possession of Embezzlement, Grand Theft By Employee
Miscellaneous Investigation
Suspicious Occurrence

# CLEANING TEXT – REPLACE VALUE

Description trim	Inci
	Residen
False Claims, Presenting to Government	False Cla Present
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of	
Suspicious Occurrence	
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of	
Fraudulent Use Of Automated Teller Card	
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of	
False Personation	
False Personation	

- Copy
- Text Filters
- 1 2 Replace Values...
- Drill Down
- Add as New Queue

Description trim
Burglary, Residence, Unlawful Entry
False Claims, Presenting to Government
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of
Suspicious Occurrence
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of
Fraudulent Use Of Automated Teller Card
Access Card, incl. Credit, Phone, ATM, Fraudulent Use of
False Personation
False Personation
False Personation to Receive Money or Property
Fraudulent Use Of Automated Teller Card
Access Card Counterfeiting Machinery, Possession of
Employment - Grand Theft By Employee

### Replace Values

Replace one value with another in the selected columns.

Value To Find

Replace With

> Advanced options

OK Cancel

# NUMBER CLEANING

File Home Transform Add Column View

Group By Use First Row as Headers Count Rows Table

Transpose Reverse Rows

Data Type: Whole Number Detect Data Type Rename

Replace Values Fill Pivot Column Convert to List

Unpivot Columns Move Convert to List

Split Column Format Text Column

Merge Columns Extract Parse

Statistics Standard Scientific Trigonometry Rounding Information

Date Time Duration

Expand Aggregate Extract Values

Queries [1]

Data

fx = Table.ReplaceValue("#Cleaned Text", "Access Card, incl. Credit, Phone, ATM,

	Police District	Analysis Neighborhood	Supervisor District	Latitude	Longitude
1	Taraval	Sunset/Parkside	1.2	37.75674029	-122.50459
2	Taraval	Sunset/Parkside	1.2	37.73613514	-122.50529
3	Mission	Bernal Heights	9	37.73392836	-122.41695
4	Out of SF	Mission Bay	6	37.77283099	-122.39137
5	Mission	Western Addition	5	37.78382412	-122.42100
6	Southern	Financial District/South Beach	3	37.78943368	-122.40695
7	Bayview	Bayview Hunters Point	0	37.73235215	-122.38449
8	Bayview	Oceanview/Merced/Ingleside	1	37.7125158	-122.46347
9	Bayview	Oceanview/Merced/Ingleside	1	37.7125158	-122.46347
10	Central	Financial District/South Beach	3	37.79888097	-122.39869
11	Southern	Financial District/South Beach	3	37.78943368	-122.40695
12	Bayview	Bayview Hunters Point	10	37.73235215	-122.38449
13	Richmond	Inner Richmond	1	37.78072335	-122.47071
14	Bayview	Bayview Hunters Point	10	37.72742487	-122.38266
15	Richmond	Lone Mountain/USF	1	37.77561843	-122.45846
16	Out of SF	Financial District/South Beach	6	37.78943368	-122.39869

Query Settings

PROPERTIES

Name: Data

APPLIED STEPS

- Source
- Navigation
- Changed Type
- Trimmed Text
- Cleaned Text
- Replaced Value

# ADDITIONAL INFORMATION

## ✓ Books

- ✓ *Collect, Combine, and Transform Data Using Power Query in Excel and Power BI (2018)* by Gil Raviv

## ✓ Websites

- ✓ <http://datachant.com>
- ✓ <https://blog.crossjoin.co.uk>
- ✓ <http://excel-inside.pro>
- ✓ <https://www.myonlinetraininghub.com/blog>
- ✓ <https://excelchamps.com/power-query>

## NEXT WEBINAR

# Combining Data in Power Query

- *Merge Query*
- *Append*

# CONCLUSIONS & QUESTIONS

