

Audible Data Cleaning Project

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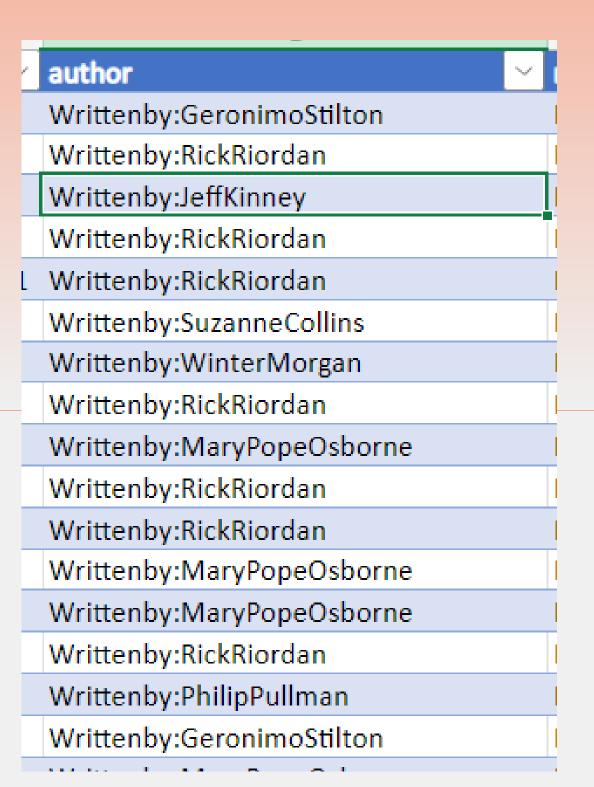
Presented by Thomas Sangala

1. Standardize the name column to ensure consistent title casing

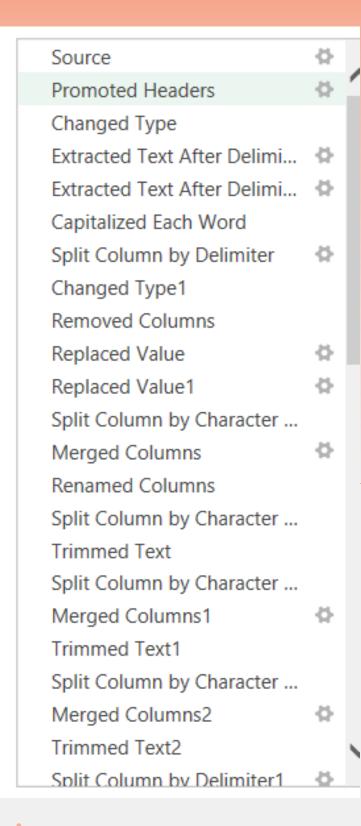
	· ·
1	name
2	Blue Moon
3	The Suspicion
4	The Van Gogh Deception
5	Concealed
6	Ricky Ricotta'S Mighty Robot Vs. The Naughty Nightcrawlers From Neptune
7	Infinity Ring, Book 3: The Trap Door
8	Good Dog
9	Last Day On Mars
0	Dark Days
1	365 Days To Alaska
2	Everybunny Loves Magic
3	Better With Butter
4	The Doughnut King
5	Jennifer Lopez
6	The Greatest Treasure Hunt In History
7	The Middle School Rules Of Jamaal Charles
8	The Middle School Rules Of Charles Tillman: "Peanut"
9	Booker T. Washington
0	D-Day
1	Ulrich Zwingli: Shepherd Warrior

5	Data Type: Text * \$\frac{1}{\sigma_2}\$ Replace Values * \$\frac{1}{\sigma_1}\$ Unpivot Columns * Detect Data Type Fill * \$\frac{1}{\sigma_1}\$ Move * Split Column Any Column	UNC Daves W
×	<pre>fx</pre>	UPPERCASE
		Capitalize Each Word
		Trim
		Clean
		Add Prefix
∄₊	A ^B _C name ▼	ABC Add Suffix
1	Geronimo Stilton #11 & #12	GeronimoStilton
2	The Burning Maze	RickRiordan
3	The Deep End	JeffKinney
4	Daughter Of The Deep	RickRiordan
5	The Lightning Thief: Percy Jackson, Book 1	RickRiordan
6	The Hunger Games: Special Edition	SuzanneCollins
7	Quest For The Diamond Sword	WinterMorgan
8	The Dark Prophecy	RickRiordan
9	Merlin Mission Collection	MaryPopeOsborne
10	The Tyrant'S Tomb	RickRiordan
11	The Titan'S Curse: Percy Jackson, Book 3	RickRiordan
12	Magic Tree House Collection: Books 9-16	MaryPopeOsborne
13	Magic Tree House Collection: Books 1-8	MaryPopeOsborne
14	Magnus Chase And The Ship Of The Dead	RickRiordan
15	Northern Lights	PhilipPullman
16	Geronimo Stilton #13 And #14	GeronimoStilton

2 .Separate combined first and last names in the author column if they are currently combined.



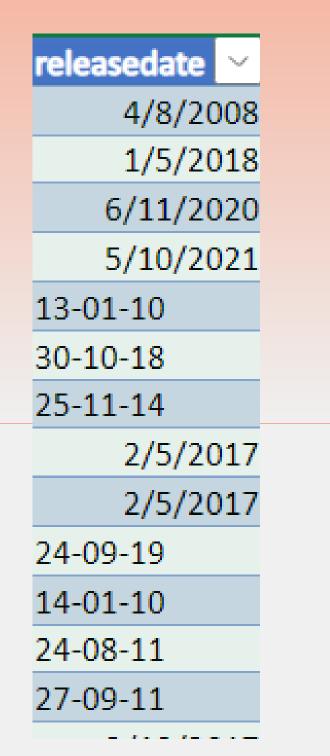
Applied Steps

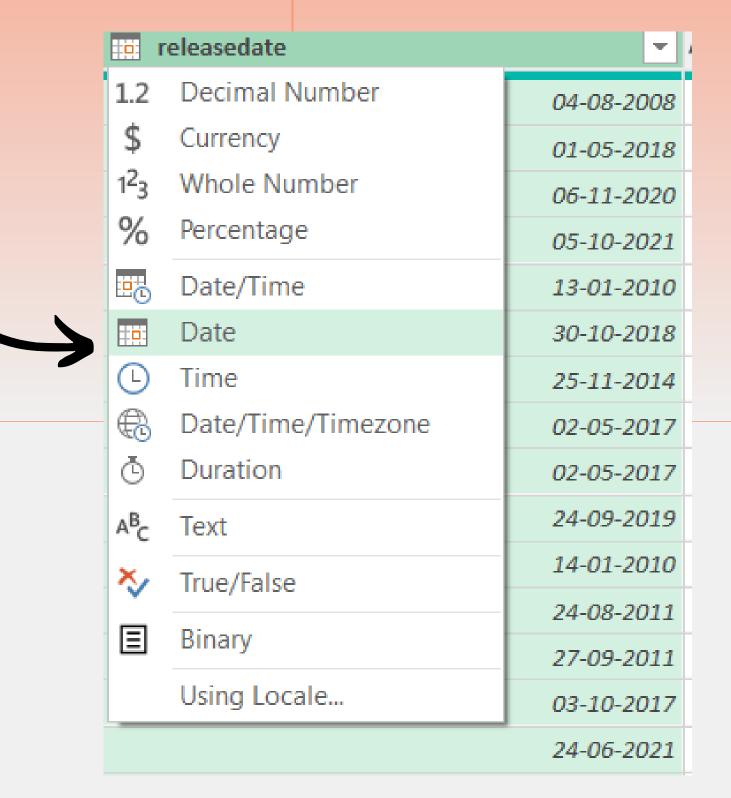


A ^B _C author.1 ▼	A ^B _C author.2 ▼	A ^B _C author.3
Vegetta777	Willyrex	Not Applicable
Roshani Chokshi	Not Applicable	Not Applicable
Sophie Schoenwald	Nadine Reitz-Illustrator	Not Applicable
Holly Rivers	Not Applicable	Not Applicable
Leah Cypess	Not Applicable	Not Applicable
Bertrand Fichou	Nora Thullin	Catherinede Lasa
Orianne Lallemand	Not Applicable	Not Applicable
Adam Blade	Not Applicable	Not Applicable
Jessica Khoury	Not Applicable	Not Applicable
Leah Cypess	Not Applicable	Not Applicable
Dav Pilkey	Not Applicable	Not Applicable
Yoon Ha Lee	Not Applicable	Not Applicable

3. Ensure all entries in the releasedate column follow a consistent date format (DD-MM-YYYY).

Uncleaned Data





4. Convert the time column from text format to a duration format that Excel recognizes.

Uncleaned Data

Formula

time 2 hrs and 20 mins 13 hrs and 8 mins 2 hrs and 3 mins 11 hrs and 16 mins 10 hrs 10 hrs and 35 mins 2 hrs and 23 mins 12 hrs and 32 mins 10 hrs and 56 mins 13 hrs and 22 mins 8 hrs and 48 mins 5 hrs and 23 mins 6 hrs and 1 min 12 hrs and 58 mins

11 hrs and 55 mins

Custom Column

Add a column that is computed from the other columns.

New column name

hours

Custom column formula (i)

```
= if Text.Contains([time],"hr") then Number.FromText
  (Text.BeforeDelimiter([time]," hr"))
else 0
```

Formula

```
Custom column formula ()
= if Text.Contains([time], "min") and not Text.Contains([time], "and") then
   Number.FromText(Text.BeforeDelimiter([time], "min"))

else if Text.Contains([time], "min") then Number.FromText
   (Text.BeforeDelimiter(Text.AfterDelimiter([time], "and"), "min"))

else 0
```

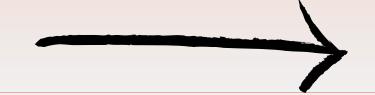
Applied Steps

Split Column by Character .	
Merged Columns5	쮸
Replaced Value2	삼
Trimmed Text5	
Replaced Value3	쓔
× Added Custom	Ø
Reordered Columns	
Multiplied Column	쮸
Renamed Columns1	
Added Custom1	⇔
Inserted Addition	- Ö
Renamed Columns2	
Changed Type3	
Replaced Value4	삼
Changed Type4	

Cleaned Data

1.2 duration-mins	T
	788
	123
	676
	600
	635
	143
	752
	656
	802
	528
	323
	361
	778

converted from text format to Duration format

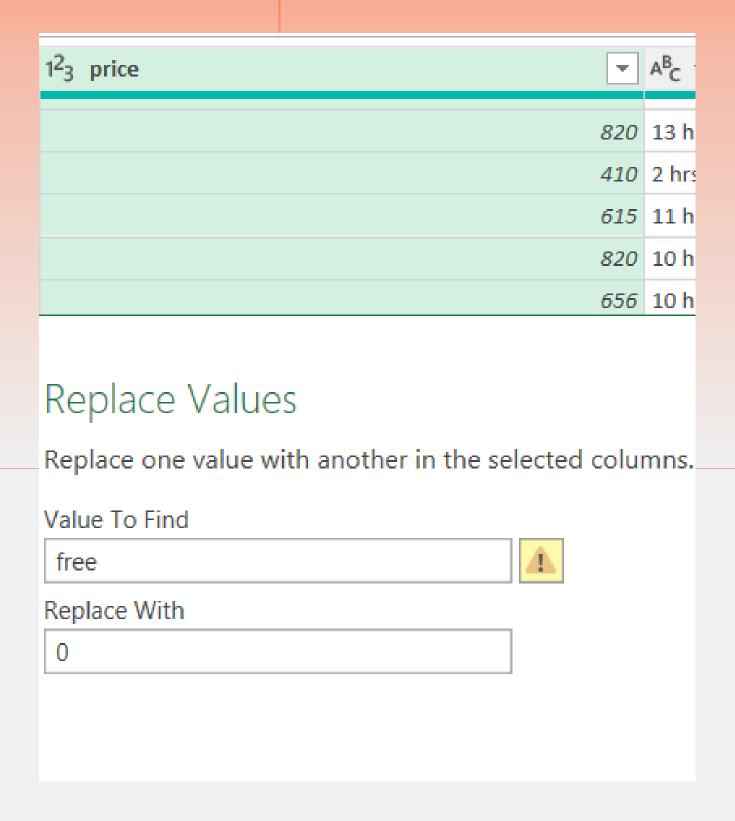


Č d	uration-mins	- 1
1.2	Decimal Number	140.00:00:00
\$	Currency	788.00:00:00
1 ² 3	Whole Number	123.00:00:00
%	Percentage	676.00:00:00
E C	Date/Time	600.00:00:00
	Date	635.00:00:00
(L)	Time	143.00:00:00
	Date/Time/Timezone	752.00:00:00
Ğ	Duration	656.00:00:00
A ^B C	Text	802.00:00:00
×	True/False	528.00:00:00
Ě		323.00:00:00
	Binary	361.00:00:00
	Using Locale	778.00:00:00
		715.00:00:00
		145.00:00:00

5. Ensure the price column is in a numeric format, and identify any non-numeric values.

Uncleaned Data

	Н		
price	V		Cloor Filtor fr
	468	3	Clear Filter fro
	820)	Filter By Colo
	410)	,
	61	5	Number Filte
	820)	
	650	5	Q Search
	233	3	
	820)	3,416.00
	1,256.00)	3,571.00
	820)	
	820)	✓ 4,185.00
	1,206.00)	√ 4,783.00
	1,206.00)	C 104 00
	820)	✓ 6,194.00
	1,093.00)	7,198.00
	467	7	✓ Free
	4 200 0		TICC



6. Convert text ratings in the stars column to numeric values.

Uncleaned Data

stars



5 out of 5 stars34 ratings

4.5 out of 5 stars41 ratings

4.5 out of 5 stars38 ratings

4.5 out of 5 stars12 ratings

4.5 out of 5 stars181 ratings

5 out of 5 stars72 ratings

5 out of 5 stars11 ratings

5 out of 5 stars50 ratings

5 out of 5 stars5 ratings

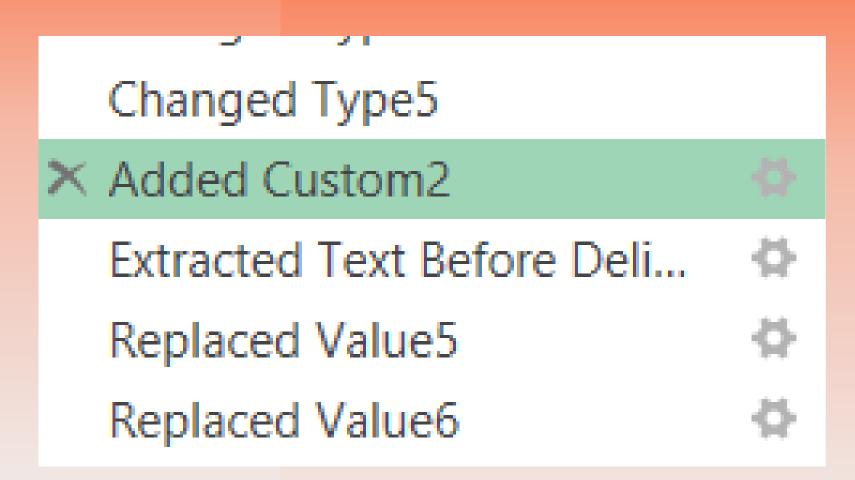
5 out of 5 stars58 ratings

4.5 out of 5 stars130 ratings

5 out of 5 stars6 ratings

Formula

Applied Steps





A ^B _C stars ▼	ABC ratings
5	34
4.5	41
4.5	38
4.5	12
4.5	181
5	72
5	11
5	50
-5	5
5	58
4.5	130
5	6
5	7
5	41



7. Split the narratedby column into multiple columns if multiple narrators are listed.

narrator
Narratedby:BillLobely
Narratedby:RobbieDaymond
Narratedby: Dan Russell
Narratedby:SoneelaNankani
Narratedby:JesseBernstein
Narratedby: Tatiana Maslany
Narratedby:LukeDaniels
Narratedby:RobbieDaymond
Narratedby: Mary Pope Osborne
Narratedby:RobbieDaymond
Narratedby:JesseBernstein
Narratedby: Mary Pope Osborne
Narratedby:MaryPopeOsborne
Narratedby:MichaelCrouch
Narratedby:PhilipPullman,fullcast,RuthWilson

Applied Steps

▲ APPLIED STEPS

➤ Split Column by Delimiter1 Changed Type2 Removed Columns1 Trimmed Text3 Split Column by Character ... Split Column by Character ... Merged Columns3 Merged Columns4 Trimmed Text4 Split Column by Character ... Merged Columns5 Replaced Value2 Trimmed Text5 Replaced Value3

Added Custom

Replace Values

Replace one value with another in the selected col

Value To Find

null

Replace With

Not Applicable

> Advanced options

A ^B _C narrator.1 ▼	A ^B _C narrator.2 ▼	A ^B _C narrator.3
Shannon Mc Manus	Not Applicable	Not Applicable
Imelda Staunton	Not Applicable	Not Applicable
Mary Pope Osborne	Not Applicable	Not Applicable
E.B.Stevens	Not Applicable	Not Applicable
Caitlin Kelly	Not Applicable	Not Applicable
Luke Daniels	Not Applicable	Not Applicable
Len Forgione	AshtonSundholm	Jaden Rogers
Michael Goldstrom	Not Applicable	Not Applicable
Michael Goldstrom	Not Applicable	Not Applicable
Stacy Gonzalez	Not Applicable	Not Applicable
Kristin Atherton	Not Applicable	Not Applicable
Derek Steel	Not Applicable	Not Applicable
Shannon Mc Manus	Not Applicable	Not Applicable
Shannon Mc Manus	Not Applicable	Not Applicable
David Pittu	Not Applicable	Not Applicable
Michael Goldstrom	Not Applicable	Not Applicable
Tim Gregory	Not Applicable	Not Applicable

8. Merge the releasedate and language columns into a single new column named releaseinfo with the format "DD-MM-YYYY, Language."

releasedate	₹	A ^B _C language ▼
	04-08-2008	English
	01-05-2018	English
	06-11-2020	English
	05-10-2021	English
	13-01-2010	English
	30-10-2018	English
	25-11-2014	English
	02-05-2017	English
	02-05-2017	English
	24-09-2019	English
	14-01-2010	English
	24-08-2011	English
	27-09-2011	English
	03-10-2017	English
	24-06-2021	English
	08-02-2008	English

Steps

	releasedate	-	A ^B C language
		04-08-2008	English
		01-05-2018	English
		06-11-2020	English
		05-10-2021	English
		13-01-2010	English
		30-10-2018	English
		25 11 2014	English
Merge Columns Choose how to merge the selected columns. Separator			
	Comma		-
New column name (optional)			
	release info		



9. Ensure all currency values in the price column are formatted consistently with two decimal places.

1 ² ₃ price ▼
468
820
410
615
820
656
233
820
1256
820
820
1206
1206
820

Steps

1 ² 3 p	rice	_
1.2	Decimal Number	468
\$	Currency	820
1 ² 3	Whole Number	410
%	Percentage	615
E C	Date/Time	820
•	Date	656
<u>(L)</u>	Time	233
	Date/Time/Timezone	820
Ğ	Duration	1256
A_C^B	Text	820
×	True/False	820
Ē		1206
▤	Binary	1206
	Using Locale	820
		1093
		467

\$ price	T	ļ
	468.00	2
	820.00	3
	410.00	4
	615.00	-
	820.00	:
	656.00	-
	233.00	2
	820.00	:
1,	256.00	i
	820.00	Ė
	820.00	8
1,	206.00	į
1,	206.00	(
	820.00	i
1,	.093.00	i
	467.00	4
1,	206.00	į
	836.00	-





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