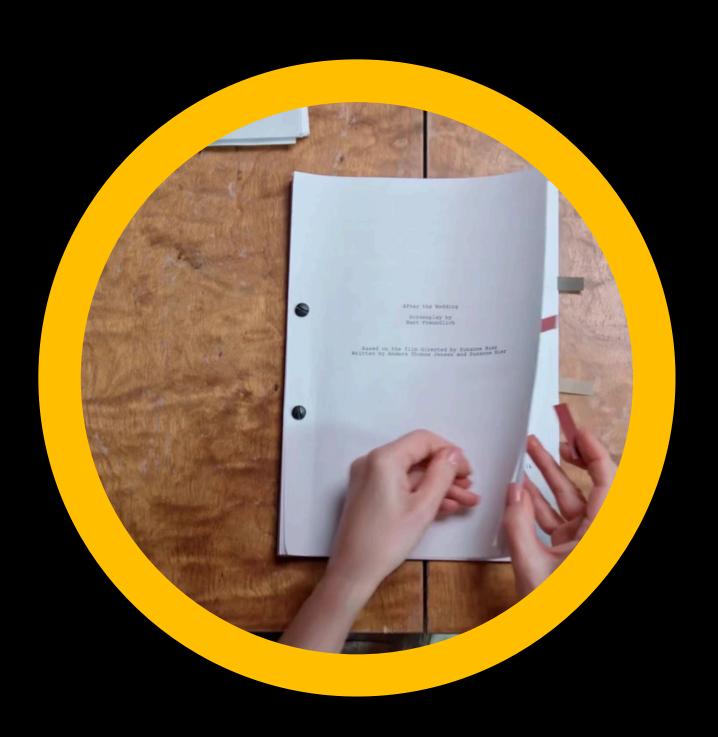# Audible data cleaning Project

-by Shivani Nagar

PROBELM STATEMENT :

To Utilize Power Query Editor in Excel to clean and standardize an Audible dataset. Tasks include formatting columns, ensuring data consistency, and preparing the dataset for analysis.
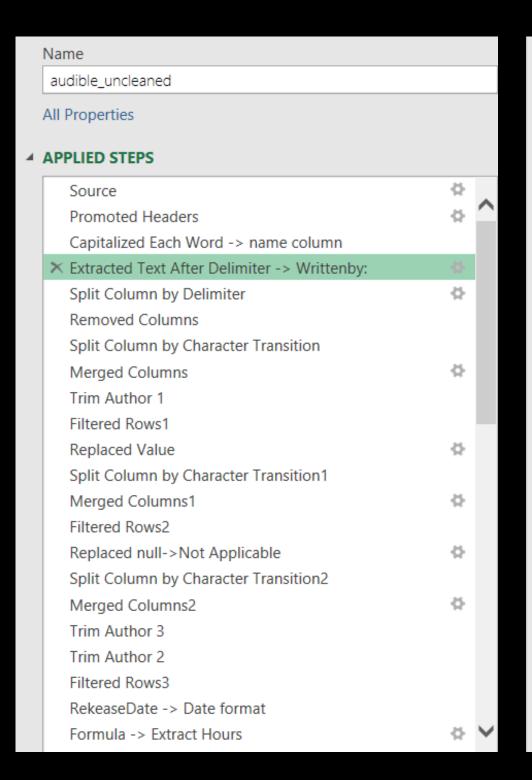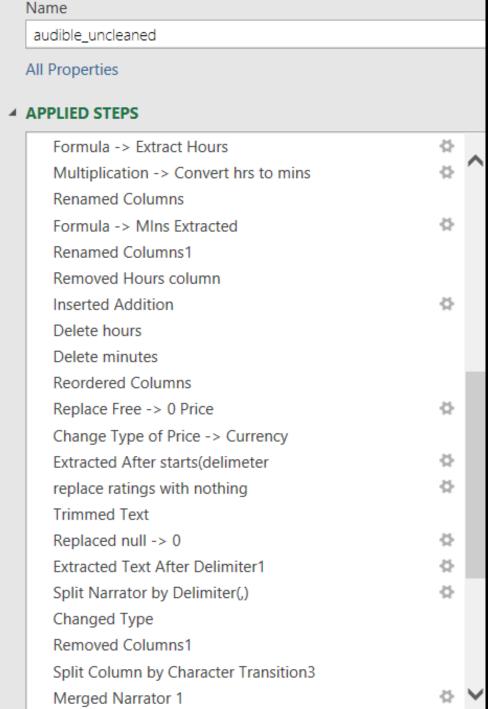
To Load data :

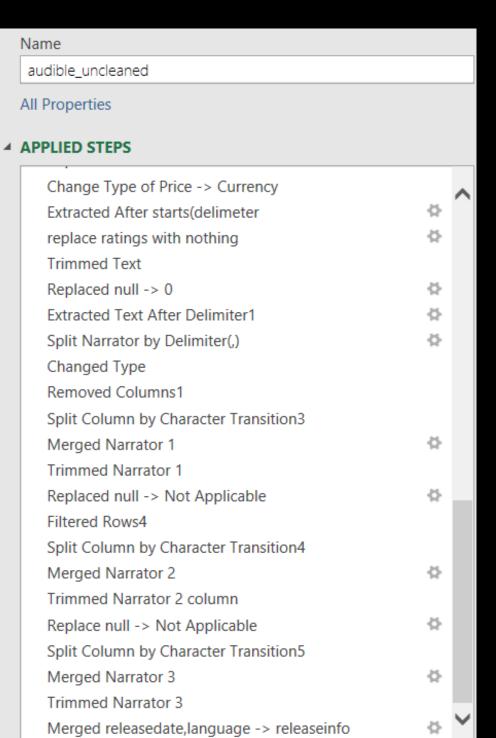In the Data Tab -> Get data -> From File -> From Text/CSV

UNCLEANED DATASET :

#	name	author	narrator	time	releasedate	language	stars	price
1	Geronimo Stilton #11 & #12	Writtenby:GeronimoStilton	Narratedby:BillLobely	2 hrs and 20 mins	04-08-2008	English	5 out of 5 stars34 ratings	468
2	The Burning Maze	Writtenby:RickRiordan	Narratedby:RobbieDaymond	13 hrs and 8 mins	01-05-2018	English	4.5 out of 5 stars41 ratings	820
3	The Deep End	Writtenby:JeffKinney	Narratedby:DanRussell	2 hrs and 3 mins	06-11-2020	English	4.5 out of 5 stars38 ratings	410
4	Daughter of the Deep	Writtenby:RickRiordan	Narratedby:SoneelaNankani	11 hrs and 16 mins	05-10-2021	English	4.5 out of 5 stars12 ratings	615
5	The Lightning Thief: Percy Jackson, Book 1	Writtenby:RickRiordan	Narratedby:JesseBernstein	10 hrs	13-01-2010	English	4.5 out of 5 stars181 ratings	820
6	The Hunger Games: Special Edition	Writtenby:SuzanneCollins	Narratedby:TatianaMaslany	10 hrs and 35 mins	30-10-2018	English	5 out of 5 stars72 ratings	656
7	Quest for the Diamond Sword	Writtenby:WinterMorgan	Narratedby:LukeDaniels	2 hrs and 23 mins	25-11-2014	English	5 out of 5 stars11 ratings	233
8	The Dark Prophecy	Writtenby:RickRiordan	Narratedby:RobbieDaymond	12 hrs and 32 mins	02-05-2017	English	5 out of 5 stars50 ratings	820
9	Merlin Mission Collection	Writtenby:MaryPopeOsborne	Narratedby:MaryPopeOsborne	10 hrs and 56 mins	02-05-2017	English	5 out of 5 stars5 ratings	1256
10	The Tyrant's Tomb	Writtenby:RickRiordan	Narratedby:RobbieDaymond	13 hrs and 22 mins	24-09-2019	English	5 out of 5 stars58 ratings	820
11	The Titan's Curse: Percy Jackson, Book 3	Writtenby:RickRiordan	Narratedby:JesseBernstein	8 hrs and 48 mins	14-01-2010	English	4.5 out of 5 stars130 ratings	820
12	Magic Tree House Collection: Books 9-16	Writtenby:MaryPopeOsborne	Narratedby:MaryPopeOsborne	5 hrs and 23 mins	24-08-2011	English	5 out of 5 stars6 ratings	1206

APPLIED STEPS :

Panel 1:

Name
audible_uncleaned

All Properties

▲ APPLIED STEPS

- Source ⚙
- Promoted Headers ⚙
- Capitalized Each Word -> name column
- ✕ Extracted Text After Delimiter -> Writtenby: ⚙
- Split Column by Delimiter ⚙
- Removed Columns
- Split Column by Character Transition
- Merged Columns ⚙
- Trim Author 1
- Filtered Rows1
- Replaced Value ⚙
- Split Column by Character Transition1
- Merged Columns1 ⚙
- Filtered Rows2
- Replaced null->Not Applicable ⚙
- Split Column by Character Transition2
- Merged Columns2 ⚙
- Trim Author 3
- Trim Author 2
- Filtered Rows3
- RekeaseDate -> Date format
- Formula -> Extract Hours ⚙

Panel 2:

Name
audible_uncleaned

All Properties

▲ APPLIED STEPS

- Formula -> Extract Hours ⚙
- Multiplication -> Convert hrs to mins ⚙
- Renamed Columns
- Formula -> MIns Extracted ⚙
- Renamed Columns1
- Removed Hours column
- Inserted Addition ⚙
- Delete hours
- Delete minutes
- Reordered Columns
- Replace Free -> 0 Price ⚙
- Change Type of Price -> Currency
- Extracted After starts(delimeter ⚙
- replace ratings with nothing ⚙
- Trimmed Text
- Replaced null -> 0 ⚙
- Extracted Text After Delimiter1 ⚙
- Split Narrator by Delimiter(,) ⚙
- Changed Type
- Removed Columns1
- Split Column by Character Transition3
- Merged Narrator 1 ⚙

Panel 3:

Name
audible_uncleaned

All Properties

▲ APPLIED STEPS

- Change Type of Price -> Currency
- Extracted After starts(delimeter ⚙
- replace ratings with nothing ⚙
- Trimmed Text
- Replaced null -> 0 ⚙
- Extracted Text After Delimiter1 ⚙
- Split Narrator by Delimiter(,) ⚙
- Changed Type
- Removed Columns1
- Split Column by Character Transition3
- Merged Narrator 1 ⚙
- Trimmed Narrator 1
- Replaced null -> Not Applicable ⚙
- Filtered Rows4
- Split Column by Character Transition4
- Merged Narrator 2
- Trimmed Narrator 2 column
- Replace null -> Not Applicable ⚙
- Split Column by Character Transition5
- Merged Narrator 3 ⚙
- Trimmed Narrator 3
- Merged releasedate,language -> releaseinfo ⚙

FORMULAS USED :

New column name

Hours

Custom column formula ⓘ

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

  else 0
```

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
```

New column name

Ratings

Custom column formula ⓘ

```
= if Text.Contains([stars], "ratings")
  then Text.AfterDelimiter([stars], "stars")
  else null
```

CLEANED DATASET :

	name	Author 1	Author 2	Author 3	Narrator 1	Narrator 2	Narrator 3
1	Geronimo Stilton #11 & #12	Geronimo Stilton	Not Applicable	Not Applicable	Bill Lobely	Not Applicable	Not Applicable
2	The Burning Maze	Rick Riordan	Not Applicable	Not Applicable	Robbie Daymond	Not Applicable	Not Applicable
3	The Deep End	Jeff Kinney	Not Applicable	Not Applicable	Dan Russell	Not Applicable	Not Applicable
4	Daughter Of The Deep	Rick Riordan	Not Applicable	Not Applicable	Soneela Nankani	Not Applicable	Not Applicable
5	The Lightning Thief: Percy Jackson, Book 1	Rick Riordan	Not Applicable	Not Applicable	Jesse Bernstein	Not Applicable	Not Applicable
6	The Hunger Games: Special Edition	Suzanne Collins	Not Applicable	Not Applicable	Tatiana Maslany	Not Applicable	Not Applicable
7	Quest For The Diamond Sword	Winter Morgan	Not Applicable	Not Applicable	Luke Daniels	Not Applicable	Not Applicable
8	The Dark Prophecy	Rick Riordan	Not Applicable	Not Applicable	Robbie Daymond	Not Applicable	Not Applicable
9	Merlin Mission Collection	Mary Pope Osborne	Not Applicable	Not Applicable	Mary Pope Osborne	Not Applicable	Not Applicable
10	The Tyrant'S Tomb	Rick Riordan	Not Applicable	Not Applicable	Robbie Daymond	Not Applicable	Not Applicable
11	The Titan'S Curse: Percy Jackson, Book 3	Rick Riordan	Not Applicable	Not Applicable	Jesse Bernstein	Not Applicable	Not Applicable
12	Magic Tree House Collection: Books 9-16	Mary Pope Osborne	Not Applicable	Not Applicable	Mary Pope Osborne	Not Applicable	Not Applicable
13	Magic Tree House Collection: Books 1-8	Mary Pope Osborne	Not Applicable	Not Applicable	Mary Pope Osborne	Not Applicable	Not Applicable

	Narrator 3	releaseinfo	stars	price	time	Duration in minutes	Ratings
1	Not Applicable	04-08-2008,English	5 out of 5 stars34 ratings	468.00	2 hrs and 20 mins	140	34
2	Not Applicable	01-05-2018,English	4.5 out of 5 stars41 ratings	820.00	13 hrs and 8 mins	788	41
3	Not Applicable	06-11-2020,English	4.5 out of 5 stars38 ratings	410.00	2 hrs and 3 mins	123	38
4	Not Applicable	05-10-2021,English	4.5 out of 5 stars12 ratings	615.00	11 hrs and 16 mins	676	12
5	Not Applicable	13-01-2010,English	4.5 out of 5 stars181 ratings	820.00	10 hrs	600	181
6	Not Applicable	30-10-2018,English	5 out of 5 stars72 ratings	656.00	10 hrs and 35 mins	635	72
7	Not Applicable	25-11-2014,English	5 out of 5 stars11 ratings	233.00	2 hrs and 23 mins	143	11
8	Not Applicable	02-05-2017,English	5 out of 5 stars50 ratings	820.00	12 hrs and 32 mins	752	50
9	Not Applicable	02-05-2017,English	5 out of 5 stars5 ratings	1,256.00	10 hrs and 56 mins	656	5
10	Not Applicable	24-09-2019,English	5 out of 5 stars58 ratings	820.00	13 hrs and 22 mins	802	58
11	Not Applicable	14-01-2010,English	4.5 out of 5 stars130 ratings	820.00	8 hrs and 48 mins	528	130
12	Not Applicable	24-08-2011,English	5 out of 5 stars6 ratings	1,206.00	5 hrs and 23 mins	323	6
13	Not Applicable	27-09-2011,English	5 out of 5 stars7 ratings	1,206.00	6 hrs and 1 min	361	7

Then, Do Close and Load To.

Link to Cleaned Dataset..

NOTE : Some of the changes are not getting loaded correctly.

To check the correct version of data and all applied steps :

In the Data tab -> Get data -> From File -> From Text/CSV -> Transform

....

Now, you will be able to see cleaned data, with all Applied steps.

LinkedIn

linkedIn link!

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