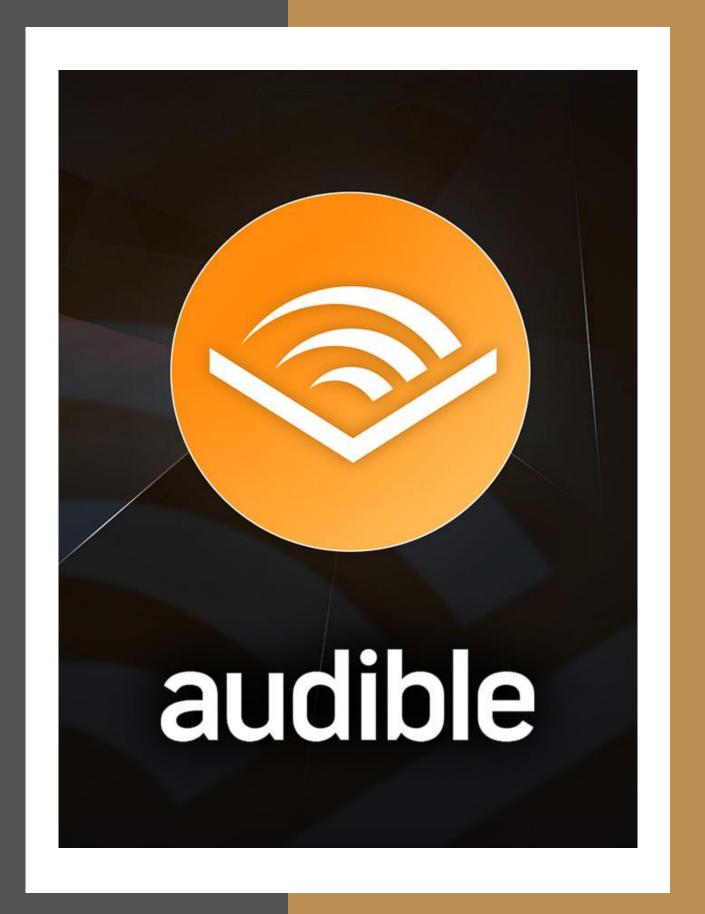
DATA CLEANING PROJECT WITH POWER QUERY EDITOR

Presented by: Kinjan chauhan



Overview

- Introduction about company
- Project description
- Data cleaning steps
- Link of clean data set

Introduction

AUDIBLE is an American online audiobook and podcast service that allows users to purchase and stream audiobooks and other forms of spoken word content.

Audible operates the Audiobook Creation Exchange, which enables individual authors or publishers to work with professional actors and producers to create audiobooks, which are then distributed to Amazon and iTunes. Currently, the service is available to residents of the United States, United Kingdom, Canada, and Ireland.



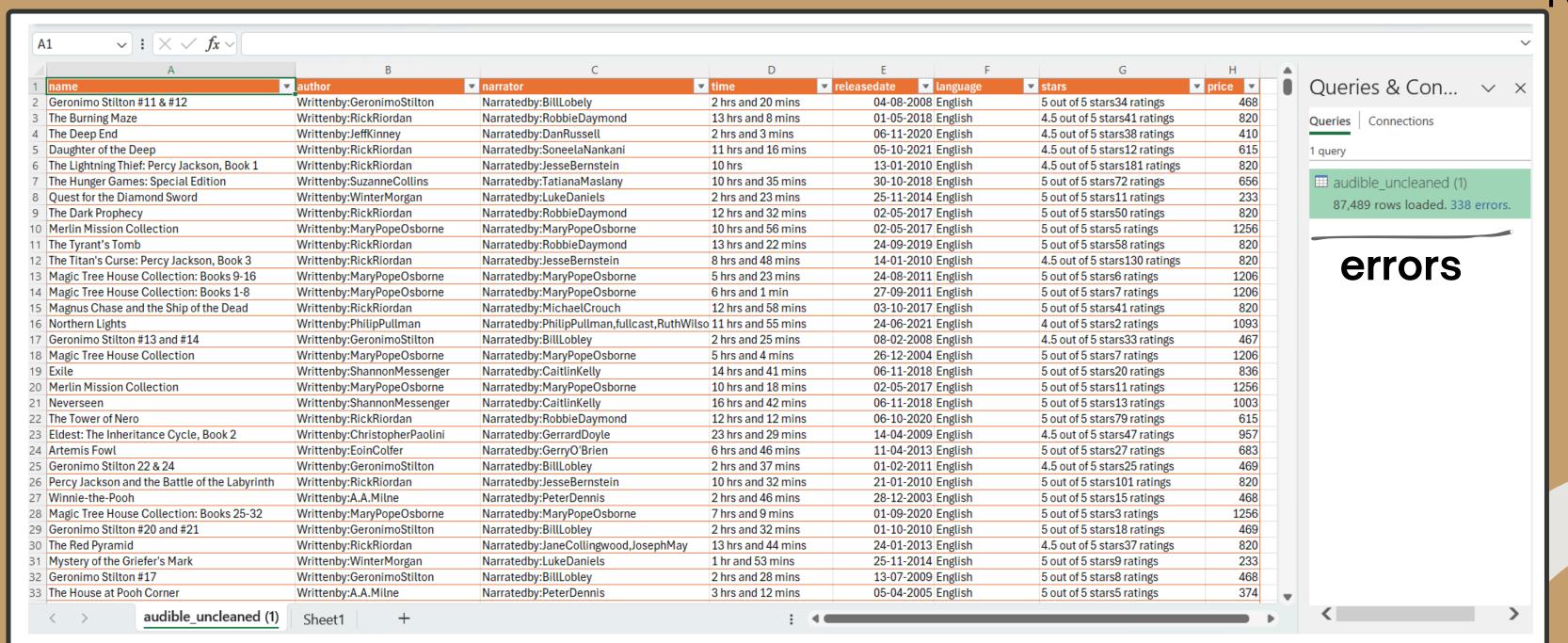
Project Description

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.

- Standardize the name column to ensure consistent title casing.
- Separate combined first and last names in the author column if they are currently combined.
- Ensure all entries in the releasedate column follow a consistent date format (DD-MM-YYYY).
- Convert the time column from text format to a duration format that Excel recognizes.
- Ensure the price column is in a numeric format, and identify any non-numeric values.
- Convert text ratings in the stars column to numeric values.
- Split the narratedby column into multiple columns if multiple narrators are listed.
- Merge the releasedate and language columns into a single new column named releaseinfo with the format "DD-MM-YYYY, Language."
- Ensure all currency values in the price column are formatted consistently with two decimal places.

Data cleaning steps

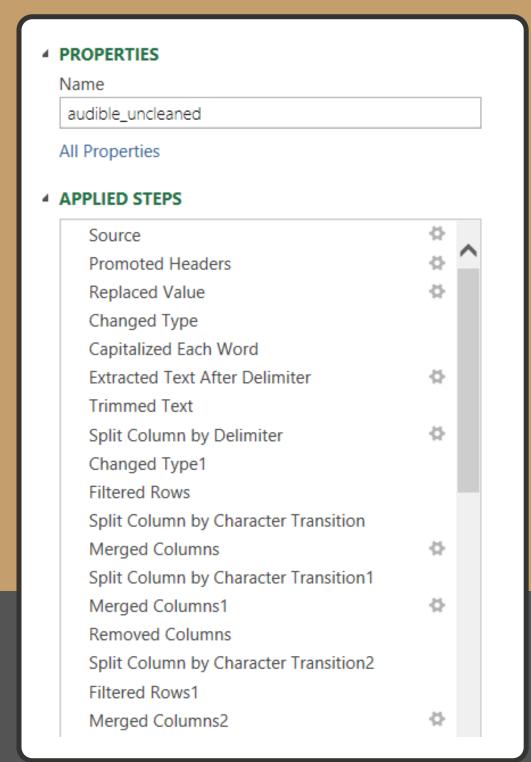
Step 1: Open Excel worksheet ----> Data tab ----> Get data ----> From file ----> From Text/CSV

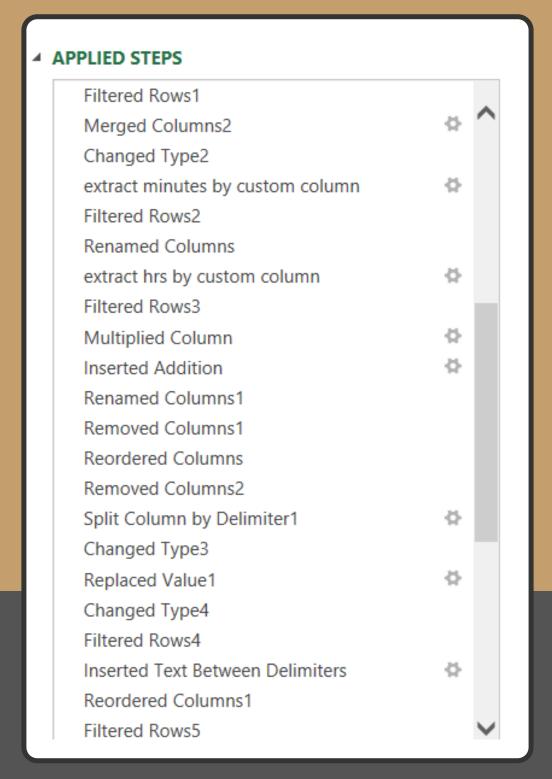


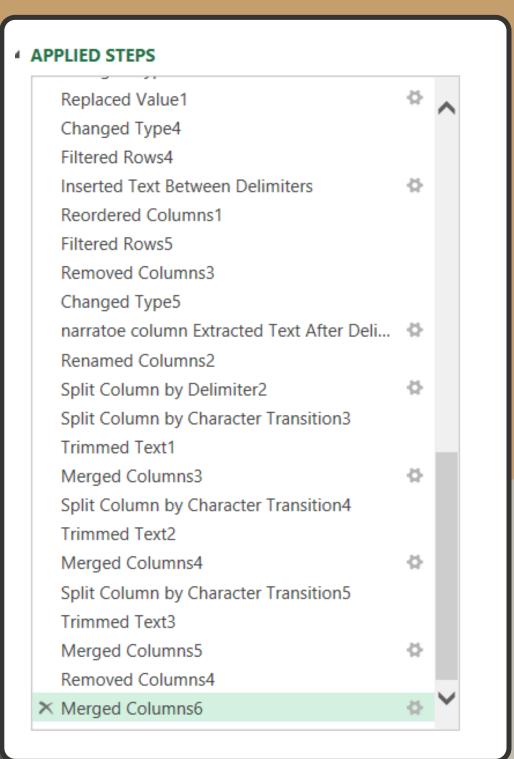
Uncleaned data with errors

Step 2: The steps applied to clean and standradise the data set are below.

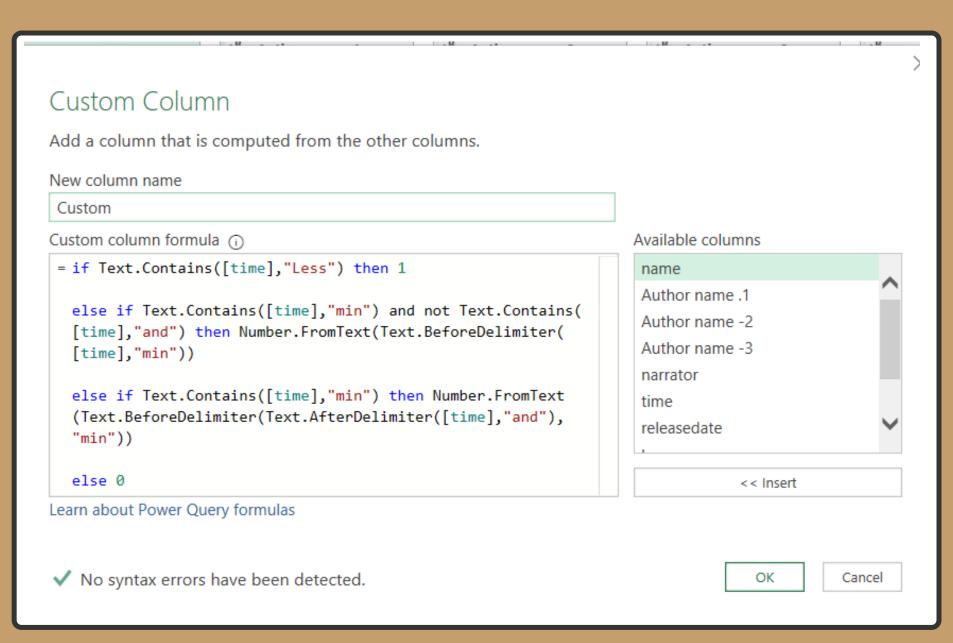
This data cleaning task includes: Capitalized each words on columns, Extract & splitting columns by delimiters, Merging & trimming columns, Replacing the values with another value in columns, Extract time by custom column, Multiplication & addition on columns



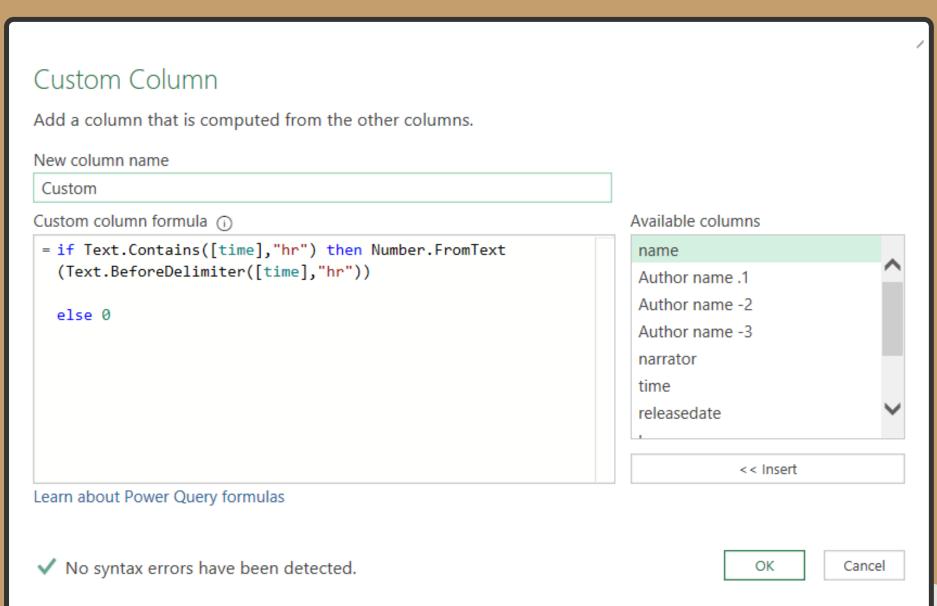




Custom formulas



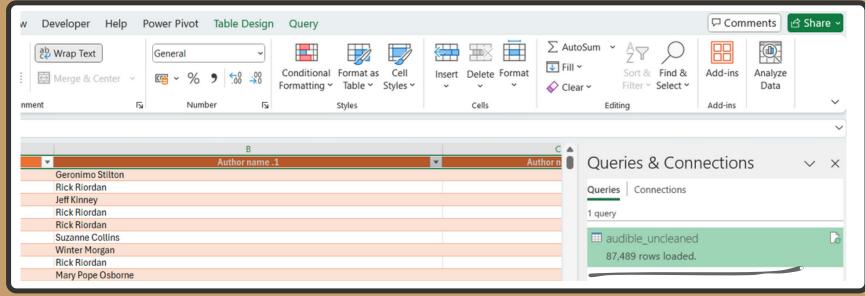
The formula above extracts the "minutes" value form the time column.



The formula above extracts the "hr" value form the time column.

Cleaned dataset with no errors

A	В	C D	E	F	G	Н	I	J	K	L
name •	Author name .1	Author name - Author name - 2 3	Narrator full name -1	Narrator full name -2	Narrator full	Time(standradize in Min)	Release info	Stars (Out of 5)	Ratings(No. of people rated)	price
2 Geronimo Stilton #11 & #12	Geronimo Stilton		Bill Lobely			140	04-08-2008, English	5	34	468
3 The Burning Maze	Rick Riordan		Robbie Daymond			788	01-05-2018, English	4.5	41	820
4 The Deep End	Jeff Kinney		Dan Russell			123	06-11-2020, English	4.5	38	410
5 Daughter Of The Deep	Rick Riordan		Soneela Nankani			676	05-10-2021, English	4.5	12	615
6 The Lightning Thief: Percy Jackson, Book 1	Rick Riordan		Jesse Bernstein			600	13-01-2010, English	4.5	181	820
7 The Hunger Games: Special Edition	Suzanne Collins		Tatiana Maslany			635	30-10-2018, English	5	72	656
8 Quest For The Diamond Sword	Winter Morgan		Luke Daniels			143	25-11-2014, English	5	11	233
9 The Dark Prophecy	Rick Riordan		Robbie Daymond			752	02-05-2017, English	5	50	820
10 Merlin Mission Collection	Mary Pope Osborne		Mary Pope Osborne			656	02-05-2017, English	5	5	1256
11 The Tyrant'S Tomb	Rick Riordan		Robbie Daymond			802	24-09-2019, English	5	58	820
12 The Titan'S Curse: Percy Jackson, Book 3	Rick Riordan		Jesse Bernstein			528	14-01-2010, English	4.5	130	820
13 Magic Tree House Collection: Books 9-16	Mary Pope Osborne		Mary Pope Osborne			323	24-08-2011, English	5	6	1206
14 Magic Tree House Collection: Books 1-8	Mary Pope Osborne		Mary Pope Osborne			361	27-09-2011, English	5	7	1206
15 Magnus Chase And The Ship Of The Dead	Rick Riordan		Michael Crouch			778	03-10-2017, English	5	41	820
16 Northern Lights	Philip Pullman		Philip Pullman	fullcast	Ruth Wilson	715	24-06-2021, English	4	2	1093
17 Geronimo Stilton #13 And #14	Geronimo Stilton		Bill Lobley			145	08-02-2008, English	4.5	33	467
18 Magic Tree House Collection	Mary Pope Osborne		Mary Pope Osborne			304	26-12-2004, English	5	7	1206
19 Exile	Shannon Messenger		Caitlin Kelly			881	06-11-2018, English	5	20	836
20 Merlin Mission Collection	Mary Pope Osborne		Mary Pope Osborne			618	02-05-2017, English	5	11	1256
21 Neverseen	Shannon Messenger		Caitlin Kelly			1002	06-11-2018, English	5	13	1003
22 The Tower Of Nero	Rick Riordan		Robbie Daymond			732	06-10-2020, English	5	79	615
23 Eldest: The Inheritance Cycle, Book 2	Christopher Paolini		Gerrard Doyle			1409	14-04-2009, English	4.5	47	957
24 Artemis Fowl	Eoin Colfer		Gerry O'Brien			406	11-04-2013, English	5	27	683
25 Geronimo Stilton 22 & 24	Geronimo Stilton		Bill Lobley			157	01-02-2011, English	4.5	25	469
26 Percy Jackson And The Battle Of The Labyrin	nt Rick Riordan		Jesse Bernstein			632	21-01-2010, English	5	101	820
27 Winnie-The-Pooh	A.A.Milne		Peter Dennis			166	28-12-2003, English	5	15	468
28 Magic Tree House Collection: Books 25-32	Mary Pope Osborne		Mary Pope Osborne			429	01-09-2020, English	5	3	1256
29 Geronimo Stilton #20 And #21	Geronimo Stilton		Bill Lobley			152	01-10-2010, English	5	18	469
30 The Red Pyramid	Rick Riordan		Jane Collingwood	Joseph May		824	24-01-2013, English	4.5	37	820
31 Mystery Of The Griefer'S Mark	Winter Morgan		Luke Daniels			113	25-11-2014, English	5	9	233
32 Geronimo Stilton #17	Geronimo Stilton		Bill Lobley			148	13-07-2009, English	5	8	468



Link of cleaned dataset

https://docs.google.com/spreadsheets/d/1jPkR Nt2Qpa35sEW3ESJkjSmukBZzGmcK/edit?usp=s haring&ouid=115470209051493735344&rtpof=tr ue&sd=true

no errors



Thank you

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