



# audible®

## DATA CLEANING PROJECT



*BY: CHINMAY SINGOLE*

# INTRODUCTION

Audible is a leading platform for audiobooks, podcasts, and spoken-word entertainment, owned by Amazon. Founded in 1995, Audible allows users to purchase, download, and listen to a vast library of audiobooks across various genres, from fiction and non-fiction to self-help and educational content. With a subscription model, Audible members receive monthly credits to access premium content and exclusive titles. The platform is popular for its convenience, allowing people to listen to books while multitasking, commuting, or relaxing

# WORK TO BE DONE

**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.**



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





# UNCLEANED DATA

F1						language		
	A	B	C	D	E	F	G	H
1	name	author	narrator	time	releasedate	language	stars	price
2	Geronimo Stilton #11 & #12	Writtenby:GeronimoStilton	Narratedby:BillLobely	2 hrs and 20 mins	04-08-2008	English	5 out of 5 stars34 ratings	468
3	The Burning Maze	Writtenby:RickRiordan	Narratedby:RobbieDaymond	13 hrs and 8 mins	01-05-2018	English	4.5 out of 5 stars41 ratings	820
4	The Deep End	Writtenby:JeffKinney	Narratedby:DanRussell	2 hrs and 3 mins	06-11-2020	English	4.5 out of 5 stars38 ratings	410
5	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
6	The Lightning Thief: Percy Jackson, B	Writtenby:RickRiordan	Narratedby:JesseBernstein	10 hrs	13-01-2010	English	4.5 out of 5 stars181 ratings	820
7	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
8	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
9	The Dark Prophecy	Writtenby:RickRiordan	Narratedby:RobbieDaymond	12 hrs and 32 mins	02-05-2017	English	5 out of 5 stars50 ratings	820
10	Merlin Mission Collection	Writtenby:MaryPopeOsborne	Narratedby:MaryPopeOsborne	10 hrs and 56 mins	02-05-2017	English	5 out of 5 stars5 ratings	1,256.00
11	The Tyrant's Tomb	Writtenby:RickRiordan	Narratedby:RobbieDaymond	13 hrs and 22 mins	24-09-2019	English	5 out of 5 stars58 ratings	820
12	The Titan's Curse: Percy Jackson, Bo	Writtenby:RickRiordan	Narratedby:JesseBernstein	8 hrs and 48 mins	14-01-2010	English	4.5 out of 5 stars130 ratings	820
13	Magic Tree House Collection: Books	Writtenby:MaryPopeOsborne	Narratedby:MaryPopeOsborne	5 hrs and 23 mins	24-08-2011	English	5 out of 5 stars6 ratings	1,206.00
14	Magic Tree House Collection: Books	Writtenby:MaryPopeOsborne	Narratedby:MaryPopeOsborne	6 hrs and 1 min	27-09-2011	English	5 out of 5 stars7 ratings	1,206.00
15	Magnus Chase and the Ship of the D	Writtenby:RickRiordan	Narratedby:MichaelCrouch	12 hrs and 58 mins	03-10-2017	English	5 out of 5 stars41 ratings	820
16	Northern Lights	Writtenby:PhilipPullman	Narratedby:PhilipPullman,fullcast,RuthWilson	11 hrs and 55 mins	24-06-2021	English	4 out of 5 stars2 ratings	1,093.00
17	Geronimo Stilton #13 and #14	Writtenby:GeronimoStilton	Narratedby:BillLobley	2 hrs and 25 mins	08-02-2008	English	4.5 out of 5 stars33 ratings	467
18	Magic Tree House Collection	Writtenby:MaryPopeOsborne	Narratedby:MaryPopeOsborne	5 hrs and 4 mins	26-12-2004	English	5 out of 5 stars7 ratings	1,206.00
19	Exile	Writtenby:ShannonMessenger	Narratedby:CaitlinKelly	14 hrs and 41 mins	06-11-2018	English	5 out of 5 stars20 ratings	836
20	Merlin Mission Collection	Writtenby:MaryPopeOsborne	Narratedby:MaryPopeOsborne	10 hrs and 18 mins	02-05-2017	English	5 out of 5 stars11 ratings	1,256.00
21	Neverseen	Writtenby:ShannonMessenger	Narratedby:CaitlinKelly	16 hrs and 42 mins	06-11-2018	English	5 out of 5 stars13 ratings	1,003.00
22	The Tower of Nero	Writtenby:RickRiordan	Narratedby:RobbieDaymond	12 hrs and 12 mins	06-10-2020	English	5 out of 5 stars79 ratings	615
23	Eldest: The Inheritance Cycle, Book 1	Writtenby:ChristopherPaolini	Narratedby:GerrardDoyle	23 hrs and 29 mins	14-04-2009	English	4.5 out of 5 stars47 ratings	957
24	Artemis Fowl	Writtenby:EoinColfer	Narratedby:GerryO'Brien	6 hrs and 46 mins	11-04-2013	English	5 out of 5 stars27 ratings	683



# CLEANED DATA

name	Author 1	Author 2	Author 3	Narrator 1	Narrator 2	Narrator 3	releasedate	language	s	ra	price	releaseinfo	Route	Hours	minutes	Duration i	Duration i
The Lion And The Hare (Hindi Edition)	Maple Press			Chaitali Gupta			23-09-2021	Hindi	5		139	23-09-2021,Hindi	139	0	3	3	0.05
The Pigeons And The Rats (Hindi Edition)	Maple Press			Chaitali Gupta			23-09-2021	Hindi	4		139	23-09-2021,Hindi	139	0	3	3	0.05
Sookha Gulab [Dry Rose]	Shivani			Sarika Rathore			28-04-2020	Hindi	4		119	28-04-2020,Hindi	119	0	37	37	0.62
Rangeela Geedad	Gulzar			Gulzar			31-03-2020	Hindi	5	2	75	31-03-2020,Hindi	75	0	23	23	0.38
Raja Kapi	Gulzar			Gulzar			31-03-2020	Hindi	5		75	31-03-2020,Hindi	75	0	38	38	0.63
Laloo Bandar, Nathoo Magarmach	Gulzar			Gulzar			31-03-2020	Hindi	1	3	75	31-03-2020,Hindi	75	0	24	24	0.4
Bondu Kaagi	Sheila Gandhi			Tom Alter			31-03-2020	Hindi	5		75	31-03-2020,Hindi	75	0	17	17	0.28
Dost Machiliya Teen	Sheila Gandhi			Tom Alter			31-03-2020	Hindi	5		75	31-03-2020,Hindi	75	0	18	18	0.3
Lomdi Aur Gileheri [Fox And Squirrel]	Sheila Gandhi			Tom Alter			31-03-2020	Hindi	5	4	75	31-03-2020,Hindi	75	0	17	17	0.28
The Merchant'S Lie (Hindi Edition)	Maple Press			Chaitali Gupta			23-09-2021	Hindi	5		139	23-09-2021,Hindi	139	0	3	3	0.05
The Brahmin And The Crooks (Hindi Edition)	Maple Press			Chaitali Gupta			23-09-2021	Hindi	4	2	139	23-09-2021,Hindi	139	0	3	3	0.05
The Mahabharata (Hindi Edition)	Maple Press			Chaitali Gupta			23-09-2021	Hindi	1		139	23-09-2021,Hindi	139	0	4	4	0.07
Mohan Rakesh Ki Diary [Diary Of Mohan Rakesh]	Mohan Rakesh			Sanyam Sharma			13-08-2020	Hindi	5	6	836	13-08-2020,Hindi	836	14	32	872	14.53
Rajesh Khanna (Hindi Edition)	Gautam Chintamani			Darrpan Mehta			06-01-2021	Hindi	4	4	1519	06-01-2021,Hindi	1519	9	7	547	9.12
Bol Bachchan [Speak Bachchan]	Rupesh Dubey			Neeraj Yadav			10-06-2020	Hindi	3.5	7	668	10-06-2020,Hindi	668	5	28	328	5.47
Satya Ke Sath Mere Prayog [My Experiment With	M.K.Gandhi			Babla Kochhar			25-06-2019	Hindi	5	164	254	25-06-2019,Hindi	254	22	54	1374	22.9
Malala Hoon Main	Suman Bajpayee			Pellavi Bharti			17-01-2020	Hindi	5	7	169	17-01-2020,Hindi	169	3	52	232	3.87
Agni Ki Udaan [Flight Of Fire]	A.P.JAbdul Kalam			Mahendra Bhatnagar			12-12-2018	Hindi	5	74	234	12-12-2018,Hindi	234	7	11	431	7.18
Buffett & Graham Se Seekhen Share Market Mein	Aryaman Dalmia			Parvez Quadir			13-12-2018	Hindi	4	28	266	13-12-2018,Hindi	266	3	14	194	3.23
Autobiography Of A Yogi (Hindi Edition)	Paramahansa Yogananda			Shashi Chaturvedi			14-10-2021	Hindi	5	80	1171	14-10-2021,Hindi	1171	23	46	1426	23.77
Bhagwan Buddha (Original Recording - Voice Of Si	Sirshree			Sirshree			09-03-2021	Hindi	5	3	245	09-03-2021,Hindi	245	2	37	157	2.62
Swami Vivekananda (Original Recording - Voice Of	Sirshree			Sirshree			09-03-2021	Hindi	4	11	245	09-03-2021,Hindi	245	0	10	10	0.17
The Meera (Original Recording - Voice Of Sirshree	Sirshree			Sirshree			09-03-2021	Hindi	4	2	245	09-03-2021,Hindi	245	2	1	121	2.02
Bhagwan Mahavir (Original Recording - Voice Of S	Sirshree			Sirshree			09-03-2021	Hindi	5		245	09-03-2021,Hindi	245	0	55	55	0.92
Kautilya Arthshastra (Hindi Edition)	Chanakya			Ashwini Wallia			26-02-2020	Hindi	4	21	174	26-02-2020,Hindi	174	6	0	360	6
Sawal Hi Jawab Hai	Allan Pease			Kiran Patil			24-01-2019	Hindi	5	32	117	24-01-2019,Hindi	117	2	30	150	2.5
45 Second Mein Presentation Kaise De [How To Gi	Don Faila			Shankey Tripathi			17-05-2019	Hindi	3.5	4	202	17-05-2019,Hindi	202	3	49	229	3.82
Naye Zamane Ka Naya Business	Shankar Manshani			Junaid Khan			07-10-2019	Hindi	5	2	239	07-10-2019,Hindi	239	9	53	593	9.88
Dhyan Niyam [Meditation Rules]	Sirshree			Ravinderr Singh			09-06-2020	Hindi	4	4	350	09-06-2020,Hindi	350	6	23	383	6.38
Sampoorna Yog Vidhya	Rajeev Jain			Avdhes Tondak			16-09-2019	Hindi	4		284	16-09-2019,Hindi	284	18	29	1109	18.48
13 Kaam Jo Samajhdar Log Nahi Karte [13 Commo	Amy Morin			Pratibha Tiku Sharma			10-04-2019	Hindi	5	18	284	10-04-2019,Hindi	284	8	18	498	8.3
Vichar Niyam (Hindi Edition)	Sirshree			Ravinderr Singh			08-07-2020	Hindi	5	3	350	08-07-2020,Hindi	350	6	48	408	6.8
Kashmirnama (Hindi Edition)	Ashok Kumar Pandey			Piyush Agarwal			14-02-2019	Hindi	4	25	284	14-02-2019,Hindi	284	21	20	1280	21.33
Mere Sapnon Ka Bharat [India Of My Dreams]	Mohandas K.Gandhi			Sandeep Madhukar Lel			27-02-2020	Hindi	5	4	284	27-02-2020,Hindi	284	12	40	760	12.67
Jeevan Ke Arth Ki Talaash Me Manushya [Man'S S	Viktor EFrankl			Rajesh Bathija			01-11-2021	Hindi	4	5	245	01-11-2021,Hindi	245	7	33	453	7.55



# ENACTED STEPS



APPLIED STEPS	
Source	⚙
Use First Row as Headers	⚙
Change Type	
Capitalized Each Word	
Extracted Text After Delimi...	⚙
Split Column by Delimiter	⚙
Changed Type	
Replaced Value	⚙
Replaced Value1	⚙
Split Column by Character ...	
Merged Columns	⚙
Trimmed Text	
Renamed Columns	
Split Column by Character ...	
Replaced Value2	⚙

APPLIED STEPS	
Merged Columns1	⚙
Trimmed Text1	
Renamed Columns1	
Split Column by Character ...	
Replaced Value3	⚙
Merged Columns2	⚙
Trimmed Text2	
Renamed Columns2	
Removed Columns	
Extracted Text After Delimi...	⚙
Split Column by Delimiter1	⚙
Split Column by Character ...	
Merged Columns3	⚙
Trimmed Text3	
Split Column by Character ...	

APPLIED STEPS	
Merged Columns4	⚙
Trimmed Text4	
Split Column by Character ...	
Merged Columns5	⚙
Removed Columns1	
Changed Type1	
Replaced Value4	⚙
Changed Type2	
Replaced Value5	⚙
Split Column by Delimiter2	⚙
Changed Type3	
Replaced Value6	⚙
Replaced Value7	⚙
Changed Type4	
Renamed Columns3	

APPLIED STEPS	
Changed Type3	
Replaced Value6	⚙
Replaced Value7	⚙
Changed Type4	
Renamed Columns3	
Inserted Merged Column	⚙
Inserted Rounding	⚙
Added Custom	⚙
Added Custom1	⚙
Added Custom2	⚙
Added Custom3	⚙
Inserted Rounding1	⚙
Renamed Columns4	
← Removed Columns2	

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# CUSTOM COLUMN



## CONVERTING TIME INTO HOURS

### Custom Column

Add a column that is computed from the other columns.

New column name

Custom column formula

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

Available columns

name  
Author 1  
Author 2  
Author 3  
Narrator 1  
Narrator 2  
Narrator 3

<< Insert

### Custom Column

Add a column that is computed from the other columns.

New column name

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
```

Available columns

name  
Author 1  
Author 2  
Author 3  
Narrator 1  
Narrator 2  
Narrator 3

<< Insert

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# CUSTOM COLUMN



## DURATION IN MINUTES

### Custom Column

Add a column that is computed from the other columns.

New column name

Duration in mins

Custom column formula

`= ([Hours]*60)+[Mintues]`

Available columns

language  
stars  
ratings  
price  
releaseinfo  
Round  
Hours  
Mintues

<< Insert

## DURATION IN HOURS

### Custom Column

Add a column that is computed from the other columns.

New column name

Durations in hours

Custom column formula

`= [Duration in mins]/60`

Available columns

stars  
ratings  
price  
releaseinfo  
Round  
Hours  
Mintues  
Duration in mins

<< Insert

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# *THANK YOU...*



*LIKE, COMMENT, SHARE AND FOLLOW*



*CONNECT WITH ME ON LINKEDIN*



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