

AUDIBLE DATA CLEANING PROJECT



PRESENTED BY HARDIK
JAIN

AUDIBLE DATA CLEANING PROJECT

1/5



(UNCLEANED DATA(1))

A ^B _C name	A ^B _C author	A ^B _C narrator	A ^B _C time
Geronimo Stilton #11 & #12	Writtenby:GeronimoStilton	Narratedby:BillLobely	2 hrs and 20 mins
The Burning Maze	Writtenby:RickRiordan	Narratedby:RobbieDaymond	13 hrs and 8 mins
The Deep End	Writtenby:JeffKinney	Narratedby:DanRussell	2 hrs and 3 mins
Daughter of the Deep	Writtenby:RickRiordan	Narratedby:SoneelaNankani	11 hrs and 16 mins
The Lightning Thief: Percy Jackson, Book 1	Writtenby:RickRiordan	Narratedby:JesseBernstein	10 hrs
The Hunger Games: Special Edition	Writtenby:SuzanneCollins	Narratedby:TatianaMaslany	10 hrs and 35 mins
Quest for the Diamond Sword	Writtenby:WinterMorgan	Narratedby:LukeDaniels	2 hrs and 23 mins
The Dark Prophecy	Writtenby:RickRiordan	Narratedby:RobbieDaymond	12 hrs and 32 mins
Merlin Mission Collection	Writtenby:MaryPopeOsborne	Narratedby:MaryPopeOsborne	10 hrs and 56 mins
The Tyrant's Tomb	Writtenby:RickRiordan	Narratedby:RobbieDaymond	13 hrs and 22 mins
The Titan's Curse: Percy Jackson, Book 3	Writtenby:RickRiordan	Narratedby:JesseBernstein	8 hrs and 48 mins
Magic Tree House Collection: Books 9-16	Writtenby:MaryPopeOsborne	Narratedby:MaryPopeOsborne	5 hrs and 23 mins
Magic Tree House Collection: Books 1-8	Writtenby:MaryPopeOsborne	Narratedby:MaryPopeOsborne	6 hrs and 1 min
Magnus Chase and the Ship of the Dead	Writtenby:RickRiordan	Narratedby:MichaelCrouch	12 hrs and 58 mins
Northern Lights	Writtenby:PhilipPullman	Narratedby:PhilipPullman,fullcast,RuthWilson	11 hrs and 55 mins
Geronimo Stilton #13 and #14	Writtenby:GeronimoStilton	Narratedby:BillLobley	2 hrs and 25 mins
Magic Tree House Collection	Writtenby:MaryPopeOsborne	Narratedby:MaryPopeOsborne	5 hrs and 4 mins
Exile	Writtenby:ShannonMessenger	Narratedby:CaitlinKelly	14 hrs and 41 mins
Merlin Mission Collection	Writtenby:MaryPopeOsborne	Narratedby:MaryPopeOsborne	10 hrs and 18 mins
Neverseen	Writtenby:ShannonMessenger	Narratedby:CaitlinKelly	16 hrs and 42 mins
The Tower of Nero	Writtenby:RickRiordan	Narratedby:RobbieDaymond	12 hrs and 12 mins
Eldest: The Inheritance Cycle, Book 2	Writtenby:ChristopherPaolini	Narratedby:GerrardDoyle	23 hrs and 29 mins
Artemis Fowl	Writtenby:EoinColfer	Narratedby:GerryO'Brien	6 hrs and 46 mins
Geronimo Stilton 22 & 24	Writtenby:GeronimoStilton	Narratedby:BillLobley	2 hrs and 37 mins

(UNCLEANED DATA(2)

A ^B _C language	A ^B _C stars	1 ² ₃ price
English	5 out of 5 stars34 ratings	468
English	4.5 out of 5 stars41 ratings	820
English	4.5 out of 5 stars38 ratings	410
English	4.5 out of 5 stars12 ratings	615
English	4.5 out of 5 stars181 ratings	820
English	5 out of 5 stars72 ratings	656
English	5 out of 5 stars11 ratings	233
English	5 out of 5 stars50 ratings	820
English	5 out of 5 stars5 ratings	1256
English	5 out of 5 stars58 ratings	820
English	4.5 out of 5 stars130 ratings	820
English	5 out of 5 stars6 ratings	1206
English	5 out of 5 stars7 ratings	1206
English	5 out of 5 stars41 ratings	820
English	4 out of 5 stars2 ratings	1093
English	4.5 out of 5 stars33 ratings	467
English	5 out of 5 stars7 ratings	1206
English	5 out of 5 stars20 ratings	836
English	5 out of 5 stars11 ratings	1256
English	5 out of 5 stars13 ratings	1003
English	5 out of 5 stars79 ratings	615
English	4.5 out of 5 stars47 ratings	957
English	5 out of 5 stars27 ratings	683
English	4.5 out of 5 stars25 ratings	469
English	5 out of 5 stars101 ratings	820
English	5 out of 5 stars15 ratings	468
English	5 out of 5 stars3 ratings	1256

LINK OF UNCLEAN DATA SET

CLICK HERE



APPLIED STEPS FOR CLEANING A DATA

APPLIED STEP (1)

APPLIED STEPS	
Source	⚙
Promoted Headers	⚙
Changed Type	
Capitalized Each Word	
Replaced Value	⚙
Trimmed Text	
Split Column by Delimiter	⚙
Changed Type1	
Removed Columns	
Replaced Value1	⚙
Split Column by Character ...	
Merged Columns	⚙
Split Column by Character ...	
Merged Columns1	⚙
Split Column by Character ...	
Merged Columns2	⚙
Changed Type2	
Added Custom	⚙
Multiplied Column	⚙
Added Custom1	⚙
Inserted Addition	⚙
Removed Columns1	



APPLIED STEP(2)

Renamed Columns	
Reordered Columns	
Changed Type3	
Replaced Value2	⚙
Changed Type4	
Replaced Value3	⚙
Split Column by Delimiter1	⚙
Changed Type5	
Removed Columns2	
Replaced Value4	⚙
Split Column by Character ...	
Merged Columns3	⚙
Renamed Columns1	
Split Column by Character ...	
Merged Columns4	⚙
Split Column by Character ...	
Merged Columns5	⚙
Extracted Text Before Deli...	⚙
Replaced Value5	⚙
Replaced Value6	⚙
Trimmed Text1	
✕ Merged Columns6	⚙

FORMULA IN MENTIONED APPLIED STEPS

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FORMULA FOR EXTRACTING HOURS AND MINUTES OUT OF TOTAL TIME

Hours

Custom column formula ⓘ

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

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

  else 0
```

minutes

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
```



CLEAN DATA SET AFTER APPLYING FORMULAS



	A ^B _C name	A ^B _C Author 1	A ^B _C Author 2	A ^B _C Author 3
1	Geronimo Stilton #11 & #12	Geronimo Stilton	Not Applicable	Not Applicable
2	The Burning Maze	Rick Riordan	Not Applicable	Not Applicable
3	The Deep End	Jeff Kinney	Not Applicable	Not Applicable
4	Daughter Of The Deep	Rick Riordan	Not Applicable	Not Applicable
5	The Lightning Thief: Percy Jackson, Book 1	Rick Riordan	Not Applicable	Not Applicable
6	The Hunger Games: Special Edition	Suzanne Collins	Not Applicable	Not Applicable
7	Quest For The Diamond Sword	Winter Morgan	Not Applicable	Not Applicable
8	The Dark Prophecy	Rick Riordan	Not Applicable	Not Applicable
9	Merlin Mission Collection	Mary Pope Osborne	Not Applicable	Not Applicable
10	The Tyrant'S Tomb	Rick Riordan	Not Applicable	Not Applicable
11	The Titan'S Curse: Percy Jackson, Book 3	Rick Riordan	Not Applicable	Not Applicable
12	Magic Tree House Collection: Books 9-16	Mary Pope Osborne	Not Applicable	Not Applicable
13	Magic Tree House Collection: Books 1-8	Mary Pope Osborne	Not Applicable	Not Applicable
14	Magnus Chase And The Ship Of The Dead	Rick Riordan	Not Applicable	Not Applicable
15	Northern Lights	Philip Pullman	Not Applicable	Not Applicable
16	Geronimo Stilton #13 And #14	Geronimo Stilton	Not Applicable	Not Applicable
17	Magic Tree House Collection	Mary Pope Osborne	Not Applicable	Not Applicable
18	Exile	Shannon Messenger	Not Applicable	Not Applicable
19	Merlin Mission Collection	Mary Pope Osborne	Not Applicable	Not Applicable
20	Neverseen	Shannon Messenger	Not Applicable	Not Applicable
21	The Tower Of Nero	Rick Riordan	Not Applicable	Not Applicable
22	Eldest: The Inheritance Cycle, Book 2	Christopher Paolini	Not Applicable	Not Applicable
23	Artemis Fowl	Eoin Colfer	Not Applicable	Not Applicable
24	Geronimo Stilton 22 & 24	Geronimo Stilton	Not Applicable	Not Applicable
25	Percy Jackson And The Battle Of The Labyrinth	Rick Riordan	Not Applicable	Not Applicable
26	Winnie-The-Pooh	A.A.Milne	Not Applicable	Not Applicable

CLEAN DATA SET AFTER APPLYING

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FORMULAS

	A ^B _C Narrator 1	A ^B _C Narrator 2	A ^B _C Narrator 3	1.2 Duration in MInutes
1	Bill Lobely	Not Applicable	Not Applicable	140
2	Robbie Daymond	Not Applicable	Not Applicable	788
3	Dan Russell	Not Applicable	Not Applicable	123
4	Soneela Nankani	Not Applicable	Not Applicable	676
5	Jesse Bernstein	Not Applicable	Not Applicable	600
6	Tatiana Maslany	Not Applicable	Not Applicable	635
7	Luke Daniels	Not Applicable	Not Applicable	143
8	Robbie Daymond	Not Applicable	Not Applicable	752
9	Mary Pope Osborne	Not Applicable	Not Applicable	656
10	Robbie Daymond	Not Applicable	Not Applicable	802
11	Jesse Bernstein	Not Applicable	Not Applicable	528
12	Mary Pope Osborne	Not Applicable	Not Applicable	323
13	Mary Pope Osborne	Not Applicable	Not Applicable	361
14	Michael Crouch	Not Applicable	Not Applicable	778
15	Philip Pullman	fullcast	Ruth Wilson	715
16	Bill Lobley	Not Applicable	Not Applicable	145
17	Mary Pope Osborne	Not Applicable	Not Applicable	304
18	Caitlin Kelly	Not Applicable	Not Applicable	881
19	Mary Pope Osborne	Not Applicable	Not Applicable	618
20	Caitlin Kelly	Not Applicable	Not Applicable	1002
21	Robbie Daymond	Not Applicable	Not Applicable	732
22	Gerrard Doyle	Not Applicable	Not Applicable	1409
23	Gerry O'Brien	Not Applicable	Not Applicable	406
24	Bill Lobley	Not Applicable	Not Applicable	157
25	Jesse Bernstein	Not Applicable	Not Applicable	632

CLEAN DATA SET AFTER APPLYING FORMULAS



releaseinfo	stars	price
04-08-2008,English	5	468.00
01-05-2018,English	4.5	820.00
06-11-2020,English	4.5	410.00
05-10-2021,English	4.5	615.00
13-01-2010,English	4.5	820.00
30-10-2018,English	5	656.00
25-11-2014,English	5	233.00
02-05-2017,English	5	820.00
02-05-2017,English	5	1,256.00
24-09-2019,English	5	820.00
14-01-2010,English	4.5	820.00
24-08-2011,English	5	1,206.00
27-09-2011,English	5	1,206.00
03-10-2017,English	5	820.00
24-06-2021,English	4	1,093.00
08-02-2008,English	4.5	467.00
26-12-2004,English	5	1,206.00
06-11-2018,English	5	836.00
02-05-2017,English	5	1,256.00
06-11-2018,English	5	1,003.00
06-10-2020,English	5	615.00
14-04-2009,English	4.5	957.00
11-04-2013,English	5	683.00

LINK OF CLEAN DATA SET

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