

Selection Method	Simple Random Sampling
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Input Data Set	BOOKS
Random Number Seed	830658094
Sample Size	10
Selection Probability	0.000899
Sampling Weight	1112.7
Output Data Set	BOOKS_SAMPLE

Obs	bookID	title	authors	average_rating	isbn	isbn13	language_code	num_pages	ratings_count	text_reviews_count	publication_date	publisher	M
1	251	Nexus (The Rosy Crucifixion #3)	Henry Miller	4.1	802151787	9780802151780	eng	316	3261	58	1/13/1994	Grove Press	
2	253	The Air-Conditioned Nightmare	Henry Miller	3.83	811201066	9780811201063	eng	292	2699	142	1/17/1970	New Directions	
3	5168	Where the Heart Is	Billie Letts	4.02	446672211	9780446672214	eng	376	227716	3407	6/1/1998	Grand Central Publishing	

Missing vs Non Missing in Character columns

title	
title	Frequency
Not Missing	11127

authors	
authors	Frequency
Not Missing	11127

average_rating	
average_rating	Frequency
Not Missing	11127

isbn	
isbn	Frequency
Not Missing	11127

isbn13	
isbn13	Frequency
Not Missing	11127

language_code	
language_code	Frequency
Not Missing	11127

num_pages	
num_pages	Frequency
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publication_date	
publication_date	Frequency
Not Missing	11127

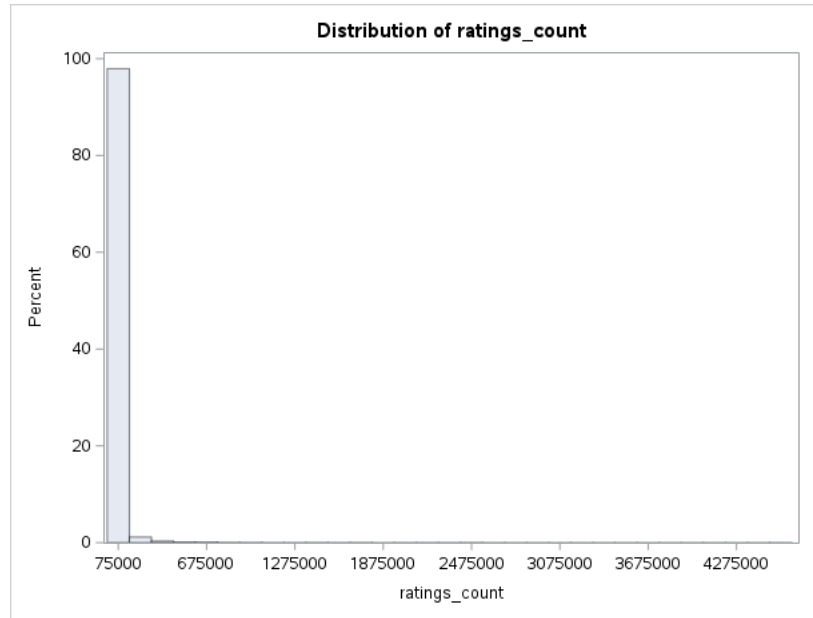
publisher	
publisher	Frequency
Not Missing	11127

M	
M	Frequency
Missing	11123
Not Missing	4

Missing vs Non Missing in Numerical columns

Variable	Label	N	N Miss
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ratings_count	ratings_count	11127	0
text_reviews_count	text_reviews_count	11127	0

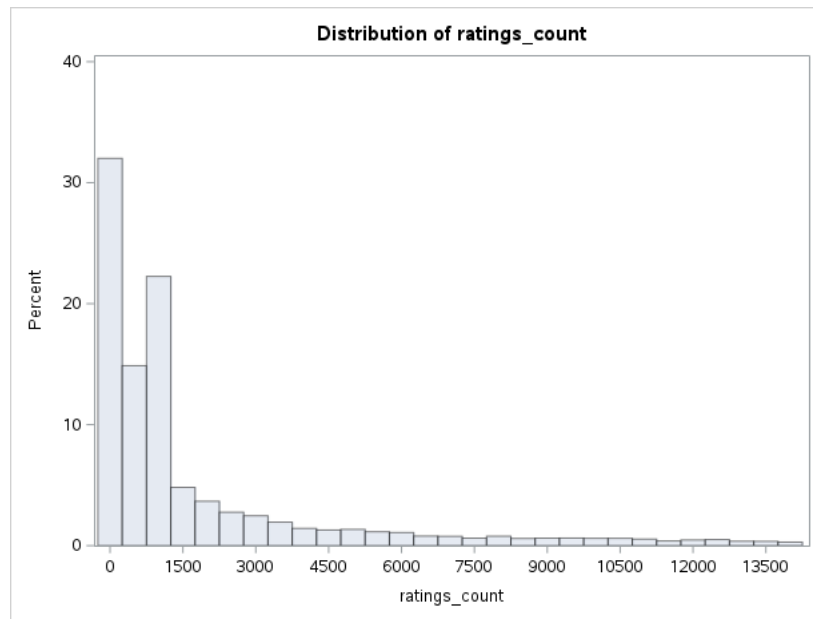
Ratings_count Original Histogram (with Outliers/empty values):



Ratings_Count Statistics with Outliers:

Obs	mean_v	skewness_v	perc25	perc50	perc75
1	17486.69	19.5850	137	927	5810

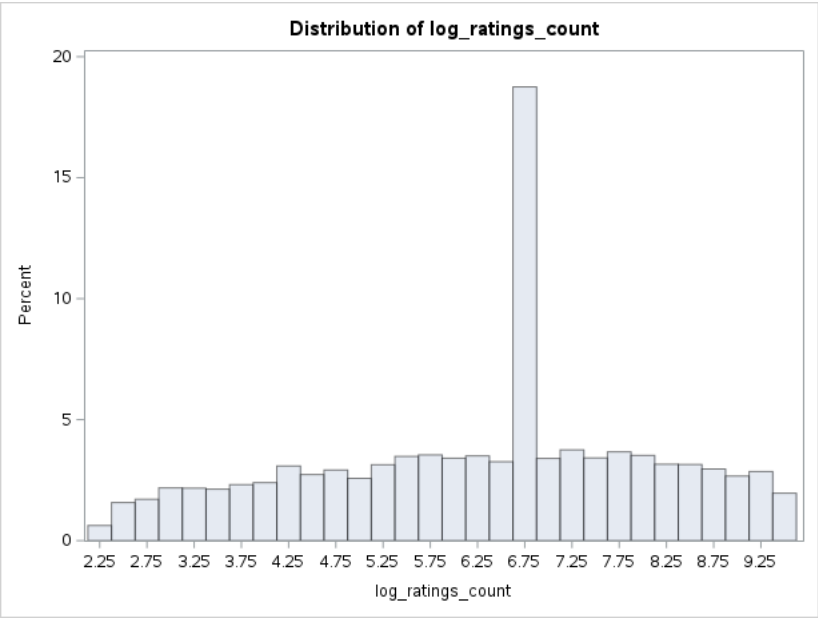
Ratings_Count Histogram after replacing outliers



Ratings_Count Statistics after replacing outliers

Obs	mean_v	skewness_v	perc25	perc50	perc75
1	1828.73	2.31930	137	927	1869

Ratings_Count Histogram after log transformation



Ratings_Count Statistics after log transformation:

Obs	mean_v	skewness_v	perc25	perc50	perc75
1	6.29878	-0.33038	4.99043	6.84268	7.53849

Audio data sample

Selection Method	Simple Random Sampling
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Input Data Set	AUDIBLE
Random Number Seed	831438470
Sample Size	10
Selection Probability	0.004407
Sampling Weight	226.9
Output Data Set	SAMPLE_AUDIO

Audio data sample

Obs	Book Title	Book Subtitle	Book Author	Book Narrator	Audio Runtime	Audiobook_Type	Categories	Rating	Total No. of Ratings	Price	Review 1	Review 2	Review 3	Review 4	Review 5	Review 6
1	Elon Musk	Tesla, SpaceX, and the Quest for a Fantastic Future	Ashlee Vance	Fred Sanders	13 hrs and 23 mins	Unabridged Audiobook	Biographies & Memoirs	4.7	53069	\$34.22	This book basically exploits your desire to read about extremely competent people, and you'll love it. Books like this are probably so entertaining because there is so much mediocrity in our own lives. It is refreshing to read about someone who apparently suffers from no mere human limitations.It's a nice complement to Walter Issacson's Steve Jobs. In both, you will read about how an asshole with vision can create wonderful things by brute forcing his way through the inconveniences of reality. Both are fantastic books, but Issacson is the better	The book is about the companies. It tells a high level story of their founding and Musk's role.Unfortunately, it does very little to tell you about Musk. Who is he? What drives him? Why does he make the decisions he makes?Those questions are essentially skipped. Rather than the writer asking Musk for the answer, he circumvents that conversation by talking to everyone (and like everyone, I'm talking about friends of friends) OTHER than Musk, which is a shame.Honestly, I feel like I got more about who Musk is, and advice on how to adopt his philosophies from the 15 minute interview he did for TED.In the end, this was nice because it summarized the	life is anything but easy. Elon musk? well, he makes us all look like babies. Be prepared to go head first into what it means to start a company that does against conventional thinking	If anything is to be learned from Ashlee Vance's biography of Elon Musk is that gifted children often have unsettled childhoods. However if those same kids develop into financially successful people the world might be better were they to put those resources and their talents to work doing things that seem to be impossible. I originally ordered this audio book because it seemed to me that Mr. Musk had attempted to do two of the three hardest and most complicated engineering and manufacturing tasks any one could attempt. One was space vehicles, and the other modern cars. I would say that the third is aircraft, which Musk may attempt later. That he has so far succeeded in the two he has tried is amazing. He not only did this but, I was to learn, he and his employees have totally rethought both systems, and are doing it entirely within the US, and with American labor.His story could have be the alltofamiliar tale of a hitech engineer in Silicone Valley or Wall Street	I have to admit that I am a Tesla Motors, SpaceX. and overall Elon Musk fan. I knew the skeleton of most of these stories and was excited to listen to all of the additional details that really describe the emotions and atmosphere at the times while these companies were being created. The author definitely did his homework to get all of the most accurate information as possible. This is not a book that was put together based off of someone who is just reading articles and researching on their own.. This book is the cumulative sum of all of the direct	makes you want to change and be a better person. The reader was amazing. highly recommender

Obs	Book Title	Book Subtitle	Book Author	Book Narrator	Audio Runtime	Audiobook_Type	Categories	Rating	Total No. of Ratings	Price	Review 1	Review 2	Review 3	Review 4	Review 5	Review 6
											<p>journalist. Vance is so enamoured with his subject that you find him deflecting criticisms of Musk. He comes off as a bit of a fanboy, but you will forgive him, because it is so much fun to be a fanboy to Musk. The heart of the book is the story of 2008, when both SpaceX and Tesla nearly went bankrupt. It's gripping I couldn't press stop till I finished that section and so was stuck awake in my bed till 100am. The book offers some genuine insights one good engineer working constant overtime can achieve as much as eleven engineers trying to coordinate with each other. That's how you achieve truly great, new things. Good for them. Personally, I'm happy to listen to audiobooks while tending the garden, and so I'll have to accept that Vance won't write a book about me.</p>	<p>stories of Musk's companies, but if you're looking for a book about Elon, and/or hoping to take away some wisdom from Musk's outlooks and experiences, this book is not for you.</p>		<p>physicistturnedfinanceguy that made a pile of money early in his case as a founder of PayPal and then retired to live a life of luxury with no more than a dose of philanthropy to give back to society. Musk pushed past all of that to pursue childhood fantasies and dreams turning them into reallife gains for humanity. Consider that his company, SpaceX, was the first private company to put a payload in orbit. Only a handful of entire countries had done that before. In fact SpaceX, I believe, is the only organization (including countries) to have a orbitpayloadenabled booster rocket successfully execute a controlled liftoff, hover and vertical landing. As for electric cars, by starting from scratch, the whole process has been rethought. And going beyond the physical layout of the vehicle, the company is organized differently. Early in the process, his team at Tesla recognized that their vehicle (and electric vehicles in general) will have less need for maintenance and repair a mainstay of dealerships. So Tesla made the decision to sell them directly through the internet and by showrooms that stand in conjunction with free solarpowered charging stations. He is getting a lot of serious pushback from traditional dealerships and, by extension, several state governments for this. But it really is the most efficient method. Without substantial maintenance income, Tesla dealerships would have had an extremely hard go of it and would have had to raise the already high sticker price too high to be practical. And efficiency is one of the many obsessions of Mr. Musk. The only quibble I have with the text is that author makes a little too much of the apparent misery of Musk's childhood. Bullying has always been hardest on gifted children and Musk was obviously gifted. Surely the role of his parents, both positive and negative, must have been an even a larger influence than any school beatings. At least Elion as a child never really had to overcome grinding poverty. The book makes it clear that his father (also an engineer) left much to be desired as a parent although no one in the family agreed to provide examples. But the fact is Musk choose to live much of his teenage years with his father even after his parents split. As strident and pedantic a taskmaster as anyone could image, his father still allowed his children to roam and explore to a great degree. To the teenage Elon, this must have been worth putting up with the negative stuff. This the kind of book that both inspires and repels. It provides insight into much of what drives this extraordinary and often difficult man. And for those of us not blessed with his kind of</p>	<p>conversations the author had with Elon Musk as well as all of the key people in his life that played a part in his entrepreneurial adventure into becoming the industrialist that he is today. There were many moments that I laughed out loud at how candid Elon is about things. It's a very unique perspective on life and tackling challenges in general. Superb all around, I'm going to be listening again soon.</p>	

Obs	Book Title	Book Subtitle	Book Author	Book Narrator	Audio Runtime	Audiobook_Type	Categories	Rating	Total No. of Ratings	Price	Review 1	Review 2	Review 3	Review 4	Review 5	Review 6
														visual photographic memory (and so very few are) we should take in this story to both marvel at its nuance and sincerely hope that the contributions of Musk continue.To all of us, but especially to those to whom financial success has come, Be ashamed to die until you have scored some victory for humanity. the educator Horace Mann, as quoted by Neil deGrasse Tyson.		

Audio data sample

Book Title	
title	Frequency

Book Title	
title	Frequency
Not Missing	2269

Book Author	
authors	Frequency
Not Missing	2269

Book Narrator	
Book_Narrator	Frequency
Missing	58
Not Missing	2211

Audio Runtime	
Audio_Runtime	Frequency
Not Missing	2269

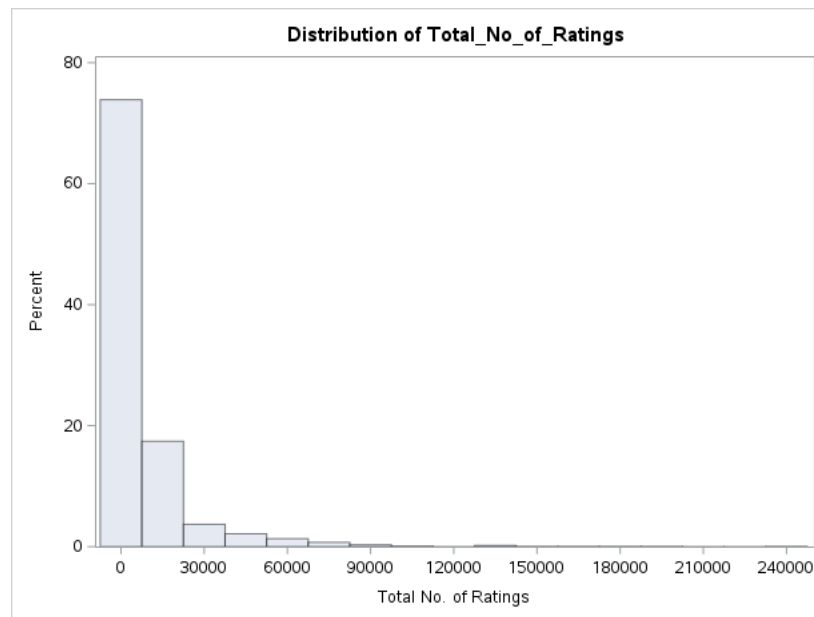
Audiobook_Type	
Audiobook_Type	Frequency
Missing	63
Not Missing	2206

Categories	
Categories	Frequency
Missing	117
Not Missing	2152

Audio data sample

Variable	Label	N	N Miss
Total_No_of_Ratings	Total No. of Ratings	1975	294
Price	Price	2269	0
Rating		1970	299
Runtime_Minutes		1827	442

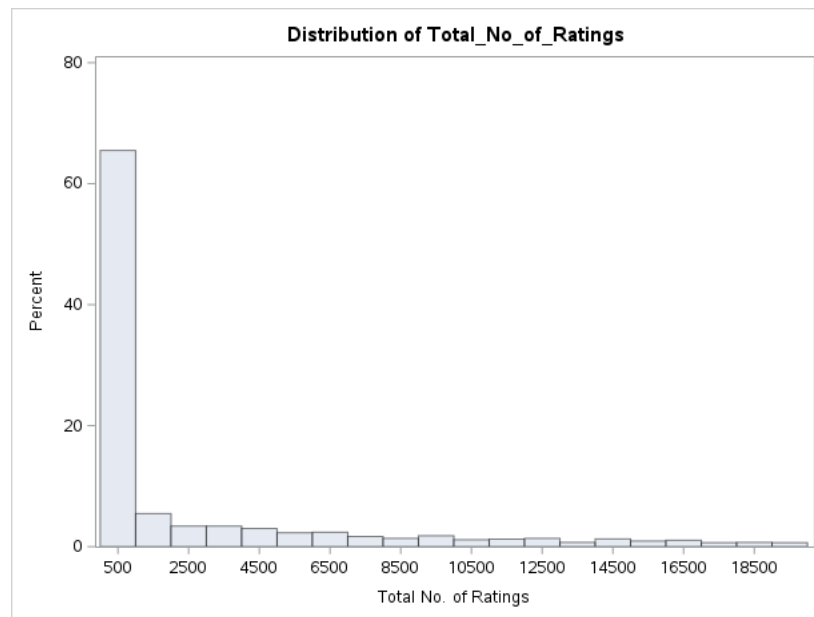
Histogram of Total_No_of_Ratings before removing outliers:



Statistics of Total_No_of_Ratings before removing outliers:

Obs	mean_v	skewness_v	QQ	Q50	Q75
1	7747.94	5.34842	100	979	8030

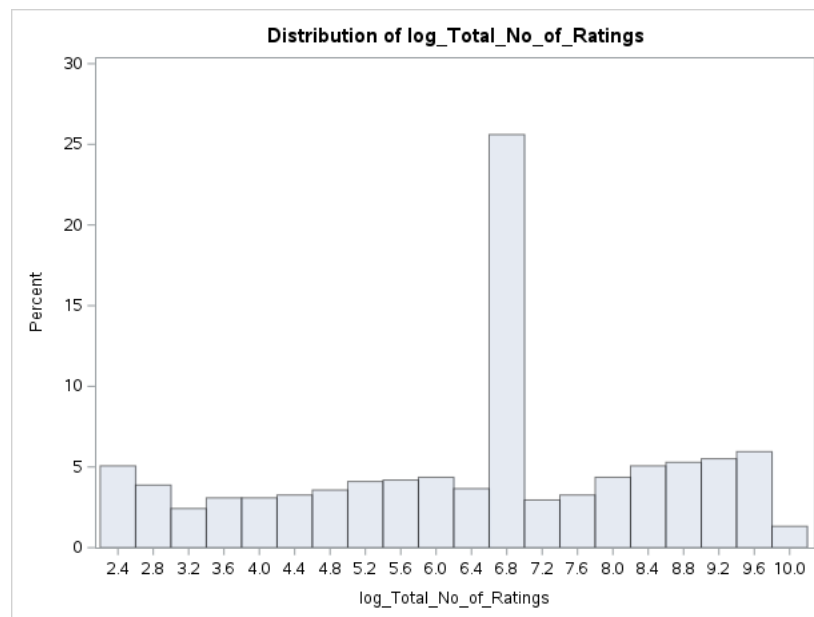
Histogram of Total_No_of_Ratings after removing outliers:



Statistics of Total_No_of_Ratings after removing outliers

Obs	mean_v	skewness_v	QQ	Q50	Q75
1	2816.20	2.03243	148	979	3103

Statistics of Total_No_of_Ratings after log transformation:



Statistics of Total_No_of_Ratings after log transformation

Obs	skewness_v	QQ	Q50	Q75
1	-0.36089	5.06260	6.89669	8.04334

statistics of price

Obs	skewness_value	QQ	Q50	Q75
1	0.20692	17.49	24.95	30.79

Statistics of of column Runtime_Minutes before replacing empty value and removing outliers:

Obs	mean_v	std	skewness_v	perc25	perc50	perc75
1						

Obs	mean_v	std	skewness_v	perc25	perc50	perc75
1	715.041	519.662	3.42701	429	612	852

Statistics of Runtime_Minutes after removing Outliers:

Obs	means	skewness_nv	perc25	perc50	perc75
1	625.242	0.52615	429	612	769

Statistics of Runtime_Minutes after removing Outliers:

num_obs
183

Sample dataset after Joining two datasets

Selection Method	Simple Random Sampling
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Input Data Set	CLEAN_COMBINED
Random Number Seed	880538848
Sample Size	10
Selection Probability	0.054645
Sampling Weight	18.3
Output Data Set	COMBINED_SAMPLE

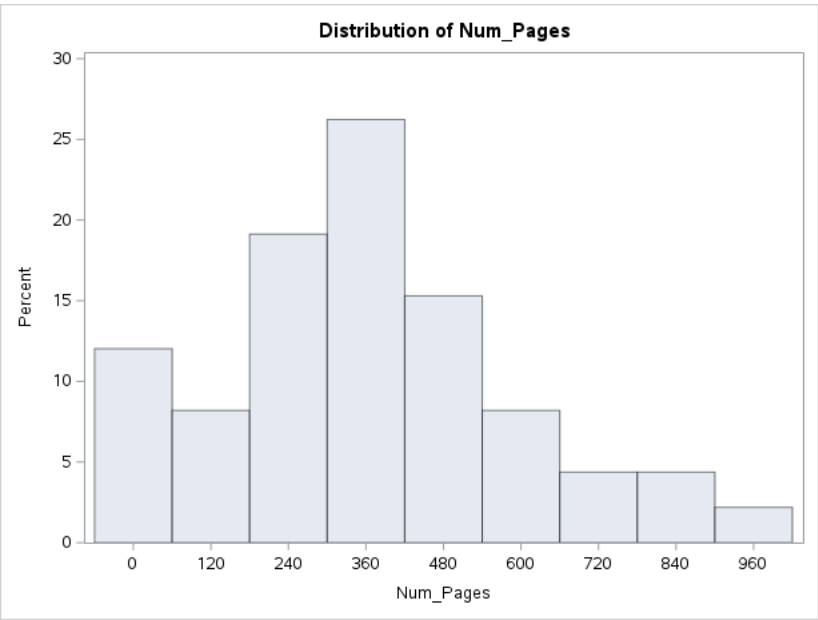
Sample dataset after Joining two datasets

Obs	title	authors	publisher	Year_Published	log_No_Of_Book_Ratings	Book_Narrator	Audiobook_Type	Categories	Price	Runtime_Minutes	log_No_Of_Audio_Ratings	Book_Pages
1	A River Runs Through it and Other Stories	Norman Maclean	University of Chicago Press	2001	6.84268	David Manis	Unabridged Audiobook	Literature & Fiction	\$18.86	481	7.18311	217
2	Charlotte's Web	EB White	HarperEntertainment	2006	2.83321	E. B. White	Unabridged Audiobook	Children's Audiobooks	\$21.00	214	7.82004	179
3	Dragonsinger	Anne McCaffrey	Aladdin	2003	6.84268	Dick Hill	Unabridged Audiobook	Science Fiction & Fantasy	\$24.47	554	8.55487	288

Data having outliers

Obs	title	authors	publisher	Year_Published	log_No_Of_Book_Ratings	Book_Narrator	Audiobook_Type	Categories	Price	Runtime_Minutes	log_No_Of_Audio_Ratings	Book_Pages	Book_Rating
1	A Clash of Kings	George RR Martin	Bantam	2002	6.84268	Roy Dotrice	Unabridged Audiobook	Science Fiction & Fantasy	\$63.00	715.041	6.89669	969	4.41
2	All Quiet on the Western Front	Erich Maria Remarque	Fawcett Crest	1987	4.30407	Frank Muller	Unabridged Audiobook	Literature & Fiction	\$20.99	415.000	9.04606	256	3.97
3	Animal Farm	George Orwell	Houghton Mifflin Harcourt	2003	6.84268	Benjamin May	Unabridged Audiobook	Literature & Fiction	\$0.94	205.000	2.56495	400	4.28

Book Pages after Square root transformation



Book Pages after Square root transformation

Obs	mean_v	skewness_v	prec25	prec50	prec75
1	364.175	0.45420	215	368	488

Final dataset

Obs	title	authors	Year_Published	log_No_Of_Book_Ratings	publisher	Price	Book_Narrator	Audiobook_Type	Categories	log_No_Of_Audio_Ratings	Rating_Book	Rating_Audio	Audio_Ratings_Nu
1	'Salem's Lot	Stephen King	2005	6.84268	Doubleday	\$33.60	Ron McLarty	Unabridged Audiobook	Literature & Fiction	9.82092	4.25	4.6	9.82092
2	A Breath of Snow and Ashes	Diana Gabaldon	2006	6.84268	Delta	\$48.99	Davina Porter	Unabridged Audiobook	Romance	9.76818	4.44	4.8	9.76818
3	A Clash of Kings	George RR Martin	2002	6.84268	Bantam	\$63.00	Roy Dotrice	Unabridged Audiobook	Science Fiction & Fantasy	6.89669	4.41	4.8	6.89669

Final dataset

Variable	Label	N	N Miss
Year_Published		183	0
log_No_Of_Book_Ratings		183	0
Price	Price	183	0
log_No_Of_Audio_Ratings		183	0
Rating_Book		183	0
Rating_Audio		183	0
Audio_Ratings_Num		183	0
Book_Ratings_Num		183	0
Audio_Duration		183	0
Num_Pages		183	0

Books / Audio Books by Categories

Obs	Categories	COUNT
1	Literature & Fiction	85
2	Science Fiction & Fantasy	21
3	Children's Audiobooks	18
4	Mystery, Thriller & Suspense	16
5	Biographies & Memoirs	9
6	History	6
7	Romance	6
8	Business & Careers	4
9	Teen	4
10	Religion & Spirituality	3
11	Relationships, Parenting & Personal Development	2
12	Erotica	1
13	Money & Finance	1
14	Politics & Social Sciences	1
15	Travel & Tourism	1

