	Amazon Bestselling Books Dataset on Amazon's bestselling books from 2009 to 2019. Contains 550 books, data has been categorized into fiction and non-fiction using Goodreads
In [1]:	
In [2]: In [12]:	path = (1 c. losers thi relibounizodus tamazon bestsetters.esv)
	## Art Like a Lady, Think Like a Man: What Men Re Art Like a Lady, Think Like a Man: What Men Re Breaking Dawn (The Twilight Saga, Book 4) Carzy Love: Overwhelmed by a Relentless 6 dd Dead And Gone: A Sookie Stackhouse Novel (Sook Steve Harvey Dead And Gone: A Sookie Stackhouse Novel (Sook Steve Harvey Dead And Gone: A Sookie Stackhouse Novel (Sook Add: Like a Lady, Think Like a Man: What Men Re Steve Harvey Dead And Gone: A Sookie Stackhouse Novel (Sook Steve Harvey Dead And Gone: A Sookie Stackhouse Novel (Sook Add: Levy Where the Crauddad Sing Delia Owens Jeff Kinney Jeff Kinney Jeff Kinney Jen Sincero User Rating Reviews Price A Le 9769
In [13]: Out[13]:	head
	Arguing with Idiots: How to Stop Small Minds a Glenn Beck 4.6 798 \$5 2009 Non Fiction Breaking Dawn (The Twilight Saga, Book 4) Stephenie Meyer 4.6 9769 \$13 2009 Fiction Crazy Love: Overwhelmed by a Relentless God Francis Chan 4.7 1542 \$14 2009 Non Fiction Dead And Gone: A Sookie Stackhouse Novel (Sook Charlaine Harris 4.6 1541 \$4 2009 Fiction Thomas Jefferson: The Art of Power Jon Meacham 4.5 1904 \$23 2012 Non Fiction Unbroken: A World War II Story of Survival, Re Laura Hillenbrand 4.8 29673 \$16 2012 Non Fiction Wheat Belly: Lose the Wheat, Lose the Weight, William Davis 4.4 7497 \$6 2012 Non Fiction Wild: From Lost to Found on the Pacific Crest Cheryl Strayed 4.4 17044 \$18 2012 Non Fiction Winter of the World: Book Two of the Century T Ken Follett 4.5 10760 \$15 2012 Fiction
In [14]:	<pre><class 'pandas.core.frame.dataframe'=""> RangeIndex: 550 entries, 0 to 549 Data columns (total 7 columns): # Column Non-Null Count Dtype</class></pre>
In [16]	rows
In [17]: Out[17]: In [18]:	7
Out[18]	Name 0 Author 0 User Rating 0 Reviews 0 Price 0 Year 0 Genre 0 dtype: int64 There are no null values in the dataset .
Out[19]	Count 550.000000 550.000000 550.000000 550.000000 mean 4.618364 11953.281818 2014.000000 std 0.226980 11731.132017 3.165156 min 3.300000 37.000000 2009.000000 25% 4.500000 4058.000000 2011.000000 50% 4.700000 8580.00000 2017.000000 max 4.900000 87841.00000 2019.000000
In [20]	genre ge
In [26]	genre.get_group(Piction)
In [27]:	5 Diary of a Wimpy Kid: The Last Straw (Book 3) Jeff Kinney 4.8 3837 \$15 2009 Fiction 7 Dog Days (Diary of a Wimpy Kid, Book 4) (Volum Jeff Kinney 4.8 3181 \$12 2009 Fiction 10 Eclipse (Twilight Sagas) Stephenie Meyer 4.7 5505 \$7 2009 Fiction 542 The Wonky Donkey Craig Smith 4.8 30183 \$4 2019 Fiction 543 To Kill a Mockingbird Harper Lee 4.8 26234 \$7 2019 Fiction 546 What Should Danny Do? (The Power to Choose Ser Adir Levy 4.8 8170 \$13 2019 Fiction 547 Where the Crawdads Sing Delia Owens 4.8 87841 \$15 2019 Fiction 548 Wrecking Ball (Diary of a Wimpy Kid Book 14) Jeff Kinney 4.9 9413 \$8 2019 Fiction 240 rows × 7 columns
Out[27]	0Act Like a Lady, Think Like a Man: What Men ReSteve Harvey4.65013\$172009Non Fiction1Arguing with Idiots: How to Stop Small Minds aGlenn Beck4.6798\$52009Non Fiction3Crazy Love: Overwhelmed by a Relentless GodFrancis Chan4.71542\$142009Non Fiction6Divine Soul Mind Body Healing and TransmissionZhi Gang Sha4.637\$62009Non Fiction8Eat This Not That! Supermarket Survival Guide:David Zinczenko4.5720\$12009Non Fiction538The Total Money Makeover: Classic Edition: A PDave Ramsey4.711550\$102019Non Fiction539The Unofficial Harry Potter Cookbook: From CauDinah Bucholz4.79030\$102019Non Fiction544Uniform Coloring Book: For Kids Ages 4-8 (US ESilly Bear4.86108\$42019Non Fiction545Unicom Coloring Book: For Kids Ages 4-8 (US ESilly Bear4.86108\$42019Non Fiction549You Are a Badass: How to Stop Doubting Your GrJen Sincero4.714331\$82019Non Fiction
In [45]:	<pre>310 rows × 7 columns Information about non-fition genre x = df.groupby(["Name"])["Reviews"].max().reset_index() x.head(10)</pre>
Out[45]	
In [44]	<pre>y = df.groupby(["Year"])["Reviews"].max().reset_index() y.head(20)</pre>
	0 2009 19720 1 2010 32122 2 2011 32122 3 2012 57271 4 2013 57271 6 2015 79446 7 2016 79446 8 2017 29442 9 2018 61133 10 2019 87841 Reviews in all the years .
In [49]	sns.displot(df["User Rating"],bins = [3.9 ,3.5,4.0,4.5,5.0],kde = True , rug = True) plt.title("Count of User Rating") plt.show() Count of User Rating 300 30 35 40 User Rating 45 50 User Rating
In []:	HERE WE CAN SEE THAT AMAZON GOT THE MORE NUMBER OF USER RATING ABOVE 4.5 plt.title("User rating by Reviwes")
	sns.lineplot(x='User Rating',y ='Reviews',data = df,hue='Genre',markers = ["o",">"]) User rating by Reviwes 8000 0000 0000 0000 0000 3.4 3.6 3.8 40 4.2 4.4 4.6 4.8 User Rating
In [32]	<pre>sns.set(style = "whitegrid") sns.barplot(x="Genre",y="User Rating",data = df,palette = "autumn_r") plt.show()</pre>
	By 3 Section Sense Fiction Genre
In [36]	sns.boxplot(x="Year",y="Reviews",data=df,showmeans= True ,palette ="spring_r")
Out[36]	80000 80000 20000 20000
In [48]	2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 Year sns.pairplot(df,hue = "Genre",palette = "inferno",hue_order = ["Fiction","Non Fiction"],kind = "reg") plt.show()
	5.0 6.000 6.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.0000 2.00000 2.00000 2.00000 2.00000 2.0000 2.0000
In []:	3 4 5 0 50000 100000 2010 2015 2020 User Rating Reviews Year THIS PAIRPLOT IS THE SUMMARY OF FULL DATASET.