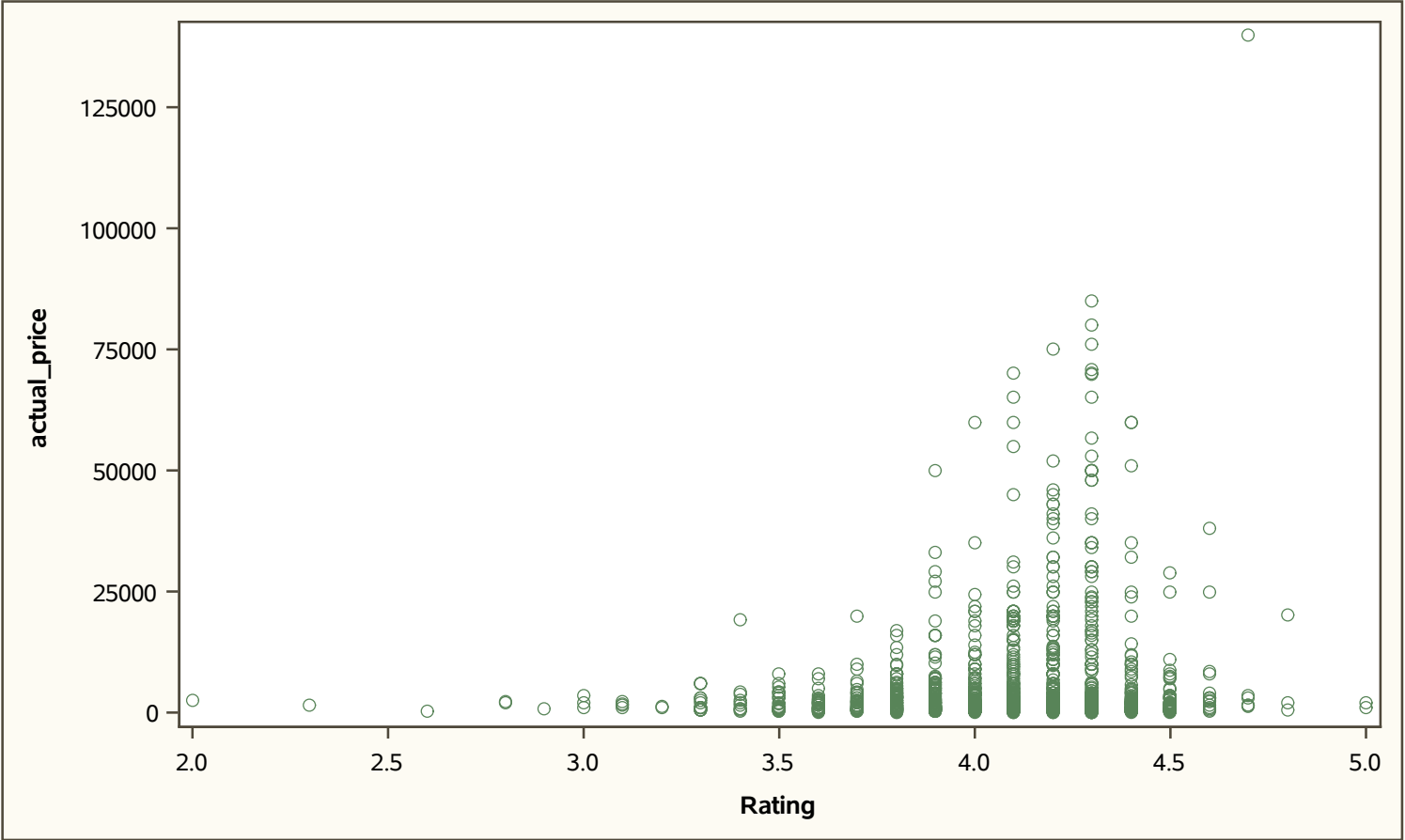


Analysis Variable : rating Rating		
Sorted_Caterygory	N Obs	Mean
Car&Motorbike	8	3.8000000
Computers&Accessories	2594	4.1507325
Electronics	3035	4.0600000
Health&PersonalCare H	4	4.0000000
Home&Kitchen	3505	4.0483880
HomeImprovement	16	4.2500000
MusicalInstrument	16	3.9000000
OfficeProducts	248	4.3096774
Toys&Games	8	4.3000000

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
rating	Rating	1381	4.0928313	0.2927370	2.0000000	5.0000000
actual_price		1381	5668.01	11128.35	39.0000000	139900.00



**3 Variables:** discounted\_price rating rating\_count

Simple Statistics							
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
discounted_price	1381	3265	7110	4509085	39.00000	77990	
rating	1381	4.09283	0.29274	5652	2.00000	5.00000	Rating
rating_count	1381	18556	43770	25625323	2.00000	426973	

Pearson Correlation Coefficients, N = 1381 Prob >  r  under H0: Rho=0			
	discounted_price	rating	rating_count
discounted_price	1.00000	0.12630 <.0001	-0.02940 0.2749
rating Rating	0.12630 <.0001	1.00000	0.10542 <.0001
rating_count	-0.02940 0.2749	0.10542 <.0001	1.00000

Analysis Variable : actual_price						
Sorted_Category	N Obs	N	Mean	Std Dev	Minimum	Maximum
Car&Motorbike	1	1	4000.00	.	4000.00	4000.00
Computers&Accessories	387	387	1821.08	4173.76	39.0000000	59890.00
Electronics	509	509	10290.76	15678.97	171.0000000	139900.00
Health&PersonalCare H	1	1	1900.00	.	1900.00	1900.00
Home&Kitchen	447	447	4165.79	6808.87	79.0000000	75990.00
HomeImprovement	2	2	799.0000000	282.8427125	599.0000000	999.0000000
MusicalInstrument	2	2	1347.00	916.4103884	699.0000000	1995.00
OfficeProducts	31	31	397.1935484	552.7818388	50.0000000	2999.00
Toys&Games	1	1	150.0000000	.	150.0000000	150.0000000

Variable: rating (Rating)

Moments			
N	1381	Sum Weights	1381
Mean	4.09283128	Sum Observations	5652.2
Std Deviation	0.292737	Variance	0.08569495
Skewness	-1.2511679	Kurtosis	4.33555653
Uncorrected SS	23251.76	Corrected SS	118.25903
Coeff Variation	7.15243254	Std Error Mean	0.00787736

Basic Statistical Measures			
Location		Variability	
Mean	4.092831	Std Deviation	0.29274
Median	4.100000	Variance	0.08569
Mode	4.100000	Range	3.00000
		Interquartile Range	0.30000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	519.5688	Pr >  t	<.0001
Sign	M	690.5	Pr >=  M	<.0001
Signed Rank	S	477135.5	Pr >=  S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5.0
99%	4.6
95%	4.5
90%	4.4
75% Q3	4.3
50% Median	4.1
25% Q1	4.0
10%	3.7
5%	3.6
1%	3.2
0% Min	2.0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
2.0	846	4.8	187
2.3	628	4.8	794
2.6	70	4.8	1287
2.8	814	5.0	482
2.8	791	5.0	793

Variable: actual\_price

Moments			
<b>N</b>	1381	<b>Sum Weights</b>	1381
<b>Mean</b>	5668.01034	<b>Sum Observations</b>	7827522.28
<b>Std Deviation</b>	11128.3482	<b>Variance</b>	123840133
<b>Skewness</b>	4.45315349	<b>Kurtosis</b>	28.2952235
<b>Uncorrected SS</b>	2.15266E11	<b>Corrected SS</b>	1.70899E11
<b>Coeff Variation</b>	196.33606	<b>Std Error Mean</b>	299.456583

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	5668.010	<b>Std Deviation</b>	11128
<b>Median</b>	1775.000	<b>Variance</b>	123840133
<b>Mode</b>	999.000	<b>Range</b>	139861
		<b>Interquartile Range</b>	3800

Tests for Location: Mu0=0				
Test	Statistic		p Value	
<b>Student's t</b>	t	18.92765	Pr >  t	<.0001
<b>Sign</b>	M	690.5	Pr >=  M	<.0001
<b>Signed Rank</b>	S	477135.5	Pr >=  S	<.0001

Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	139900
<b>99%</b>	59900
<b>95%</b>	24999
<b>90%</b>	15999
<b>75% Q3</b>	4699
<b>50% Median</b>	1775
<b>25% Q1</b>	899
<b>10%</b>	499
<b>5%</b>	300
<b>1%</b>	100
<b>0% Min</b>	39

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
39	2	74999	1377
39	1	75990	1378
50	3	79990	1379
59	4	85000	1380
75	5	139900	1381

Variable: discounted\_price

Moments			
<b>N</b>	1381	<b>Sum Weights</b>	1381
<b>Mean</b>	3265.08675	<b>Sum Observations</b>	4509084.8
<b>Std Deviation</b>	7110.45003	<b>Variance</b>	50558499.7
<b>Skewness</b>	4.340098	<b>Kurtosis</b>	24.2987931
<b>Uncorrected SS</b>	8.44933E10	<b>Corrected SS</b>	6.97707E10
<b>Coeff Variation</b>	217.772163	<b>Std Error Mean</b>	191.337568

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	3265.087	<b>Std Deviation</b>	7110
<b>Median</b>	889.000	<b>Variance</b>	50558500
<b>Mode</b>	299.000	<b>Range</b>	77951
		<b>Interquartile Range</b>	1799

Tests for Location: Mu0=0				
Test	Statistic		p Value	
<b>Student's t</b>	t	17.06454	<b>Pr &gt;  t </b>	<.0001
<b>Sign</b>	M	690.5	<b>Pr &gt;=  M </b>	<.0001
<b>Signed Rank</b>	S	477135.5	<b>Pr &gt;=  S </b>	<.0001

Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	77990
<b>99%</b>	35999
<b>95%</b>	15999
<b>90%</b>	8799
<b>75% Q3</b>	2148
<b>50% Median</b>	889
<b>25% Q1</b>	349
<b>10%</b>	199
<b>5%</b>	139
<b>1%</b>	85
<b>0% Min</b>	39

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
39.00	55	47990	1376
39.00	2	47990	1379
39.00	1	54990	1380
50.00	3	61999	1374
57.89	35	77990	1381



Variable: rating\_count

Moments			
N	1381	Sum Weights	1381
Mean	18555.6285	Sum Observations	25625323
Std Deviation	43770.3713	Variance	1915845400
Skewness	5.57642596	Kurtosis	38.6686348
Uncorrected SS	3.11936E12	Corrected SS	2.64387E12
Coeff Variation	235.887301	Std Error Mean	1177.83211

Basic Statistical Measures			
Location		Variability	
Mean	18555.63	Std Deviation	43770
Median	4971.00	Variance	1915845400
Mode	9378.00	Range	426971
		Interquartile Range	16152

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	15.75405	Pr >  t	<.0001
Sign	M	690.5	Pr >=  M	<.0001
Signed Rank	S	477135.5	Pr >=  S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	426973
99%	253105
95%	77027
90%	40895
75% Q3	17325
50% Median	4971
25% Q1	1173
10%	252
5%	97
1%	12
0% Min	2

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
2	846	363713	388
2	461	426972	282
4	837	426973	122
4	815	426973	283
4	472	426973	583

Variable: discount\_percentage

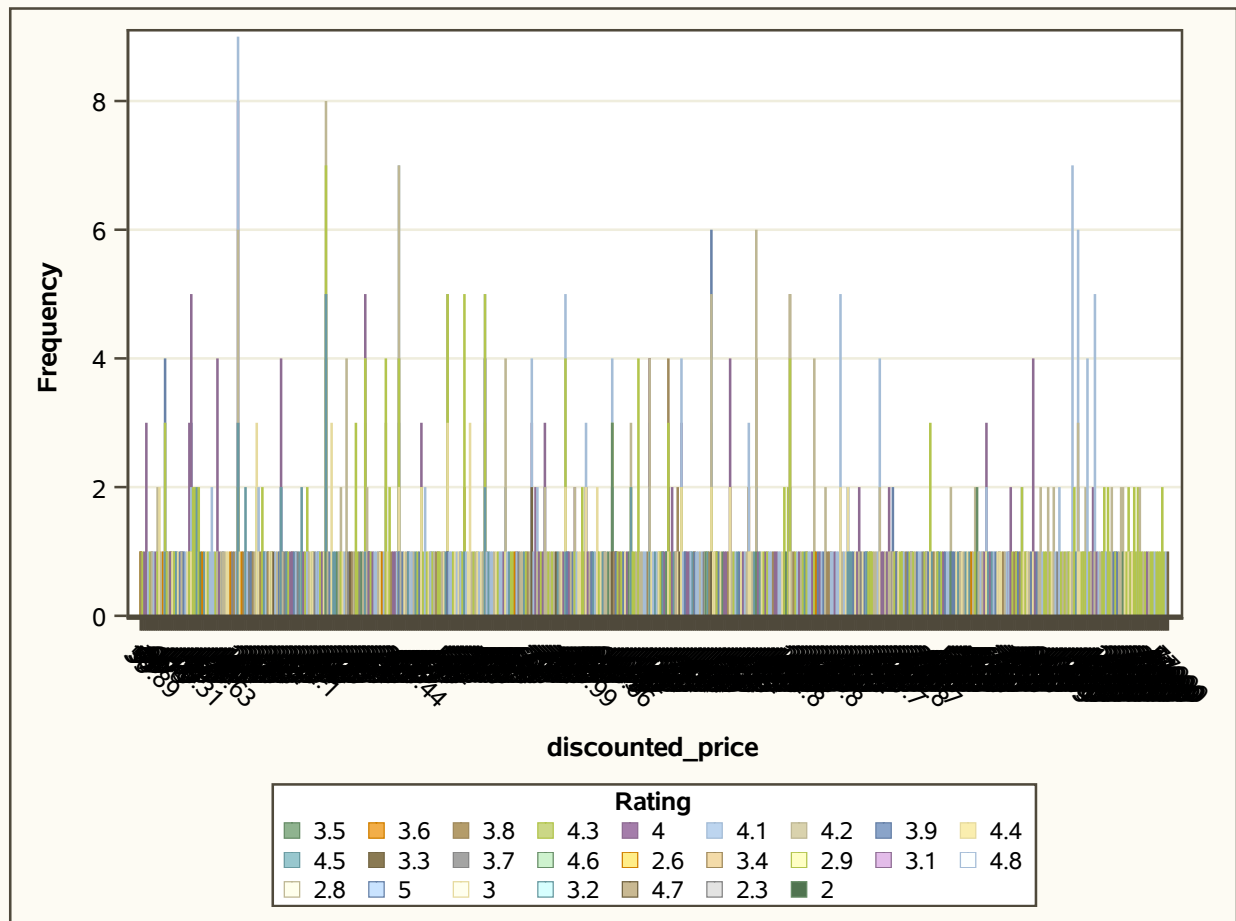
Moments			
N	1381	Sum Weights	1381
Mean	47.1266698	Sum Observations	65081.9311
Std Deviation	21.6509834	Variance	468.765082
Skewness	-0.2578077	Kurtosis	-0.6011881
Uncorrected SS	3713990.49	Corrected SS	646895.814
Coeff Variation	45.9421034	Std Error Mean	0.58261383

Basic Statistical Measures			
Location		Variability	
Mean	47.12667	Std Deviation	21.65098
Median	49.34599	Variance	468.76508
Mode	0.00000	Range	94.11882
		Interquartile Range	31.34046

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	80.88835	Pr >  t	<.0001
Sign	M	667.5	Pr >=  M	<.0001
Signed Rank	S	445890	Pr >=  S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	94.11882
99%	88.87500
95%	80.05337
90%	75.08604
75% Q3	62.57822
50% Median	49.34599
25% Q1	31.23776
10%	17.37089
5%	7.89826
1%	0.00000
0% Min	0.00000

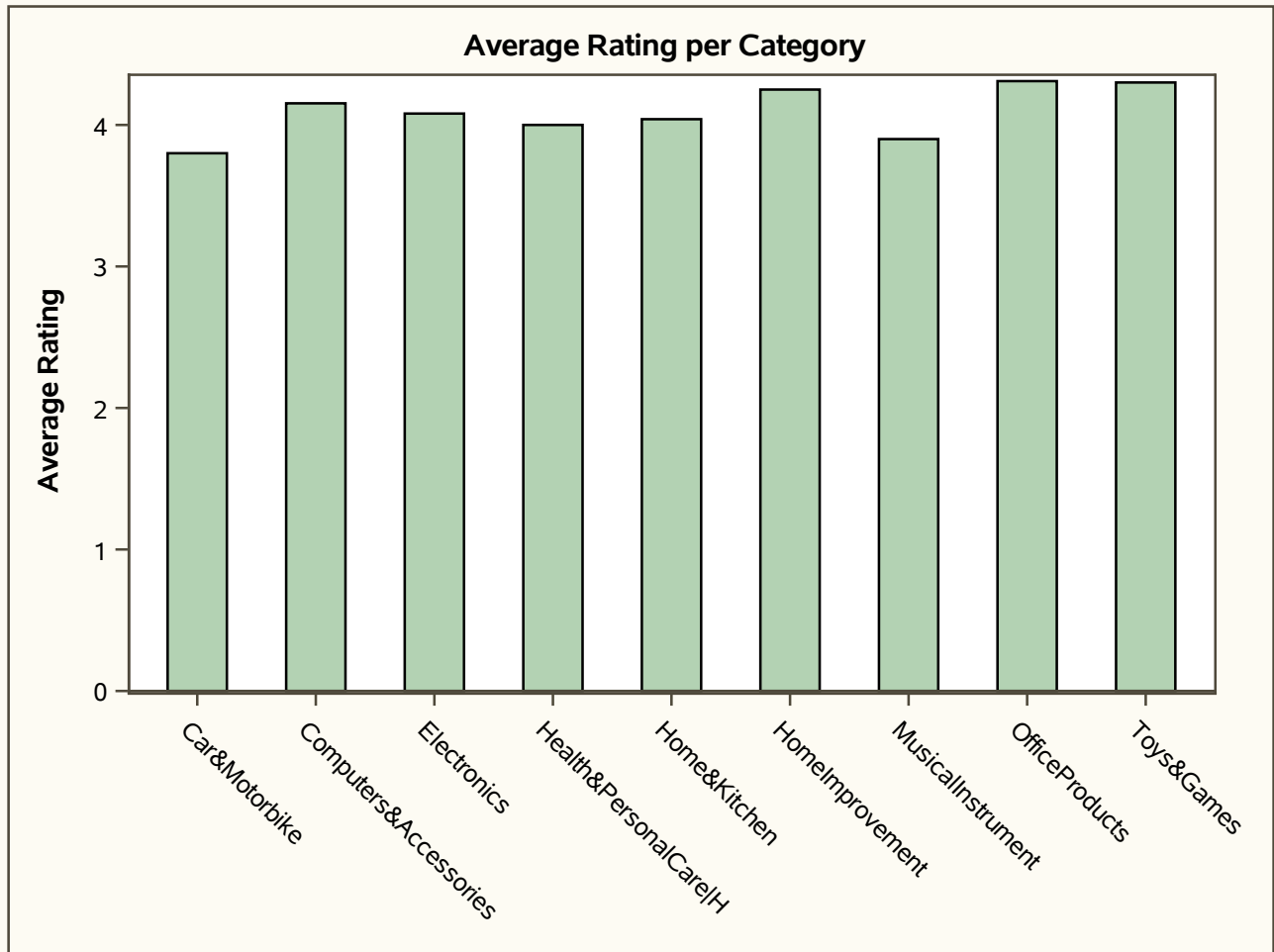
Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	1337	91.0046	1282
0	1325	91.0046	1283
0	1324	91.0046	1284
0	1234	91.0046	1285
0	1036	94.1188	1056



Analysis Variable : rating Rating						
Sorted_Caterygory	N Obs	N	Mean	Std Dev	Minimum	Maximum
Car&Motorbike	1	1	3.8000000	.	3.8000000	3.8000000
Computers&Accessories	387	387	4.1527132	0.2586566	3.3000000	5.0000000
Electronics	509	509	4.0803536	0.2708384	2.8000000	4.7000000
Health&PersonalCare H	1	1	4.0000000	.	4.0000000	4.0000000
Home&Kitchen	447	447	4.0407159	0.3346874	2.0000000	4.8000000
HomeImprovement	2	2	4.2500000	0.3535534	4.0000000	4.5000000
MusicalInstrument	2	2	3.9000000	0.1414214	3.8000000	4.0000000
OfficeProducts	31	31	4.3096774	0.1491193	4.0000000	4.5000000
Toys&Games	1	1	4.3000000	.	4.3000000	4.3000000

**Average Rating per Category**

Obs	Sorted_Catergory	avg_rating
1	OfficeProducts	4.3096774194
2	Toys&Games	4.3
3	HomeImprovement	4.25
4	Computers&Accessories	4.1527131783
5		4.0928312817
6	Electronics	4.0803536346
7	Home&Kitchen	4.0407158837
8	Health&PersonalCare H	4
9	MusicalInstrument	3.9
10	Car&Motorbike	3.8



## Average Rating per Category

Data Set Name	WORK.PRODUCTS_CLEANED	Observations	1381
Member Type	DATA	Variables	15
Engine	V9	Indexes	0
Created	19/05/2023 13:08:52	Observation Length	912
Last Modified	19/05/2023 13:08:52	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	YES
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
Data Set Page Size	131072
Number of Data Set Pages	10
First Data Page	1
Max Obs per Page	143
Obs in First Data Page	139
Number of Data Set Repairs	0
Filename	/saswork/SAS_work3C0600018077_odaws02-apse1-2.oda.sas.com/SAS_workCDD900018077_odaws02-apse1-2.oda.sas.com/products_cleaned.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	201327728
Access Permission	rw-r--r--
Owner Name	u63320142
File Size	1MB
File Size (bytes)	1441792

Alphabetic List of Variables and Attributes						
#	Variable	Type	Len	Format	Informat	Label
14	Sorted_Catergory	Char	21			
11	actual_price	Num	8			
3	category	Char	81	\$81.	\$81.	Category
7	category1	Char	81			
8	category2	Char	81			
9	category3	Char	81			
10	category4	Char	81			
15	discount_percentage	Num	8			
12	discounted_price	Num	8			
5	img_link	Char	101	\$101.	\$101.	Image
1	product_id	Char	10	\$10.	\$10.	Product ID
6	product_link	Char	131	\$131.	\$131.	Product Link
2	product_name	Char	201	\$201.	\$201.	Product Name
4	rating	Num	8	BEST.		Rating
13	rating_count	Num	8			

Sort Information	
Sortedby	actual_price
Validated	YES
Character Set	ASCII

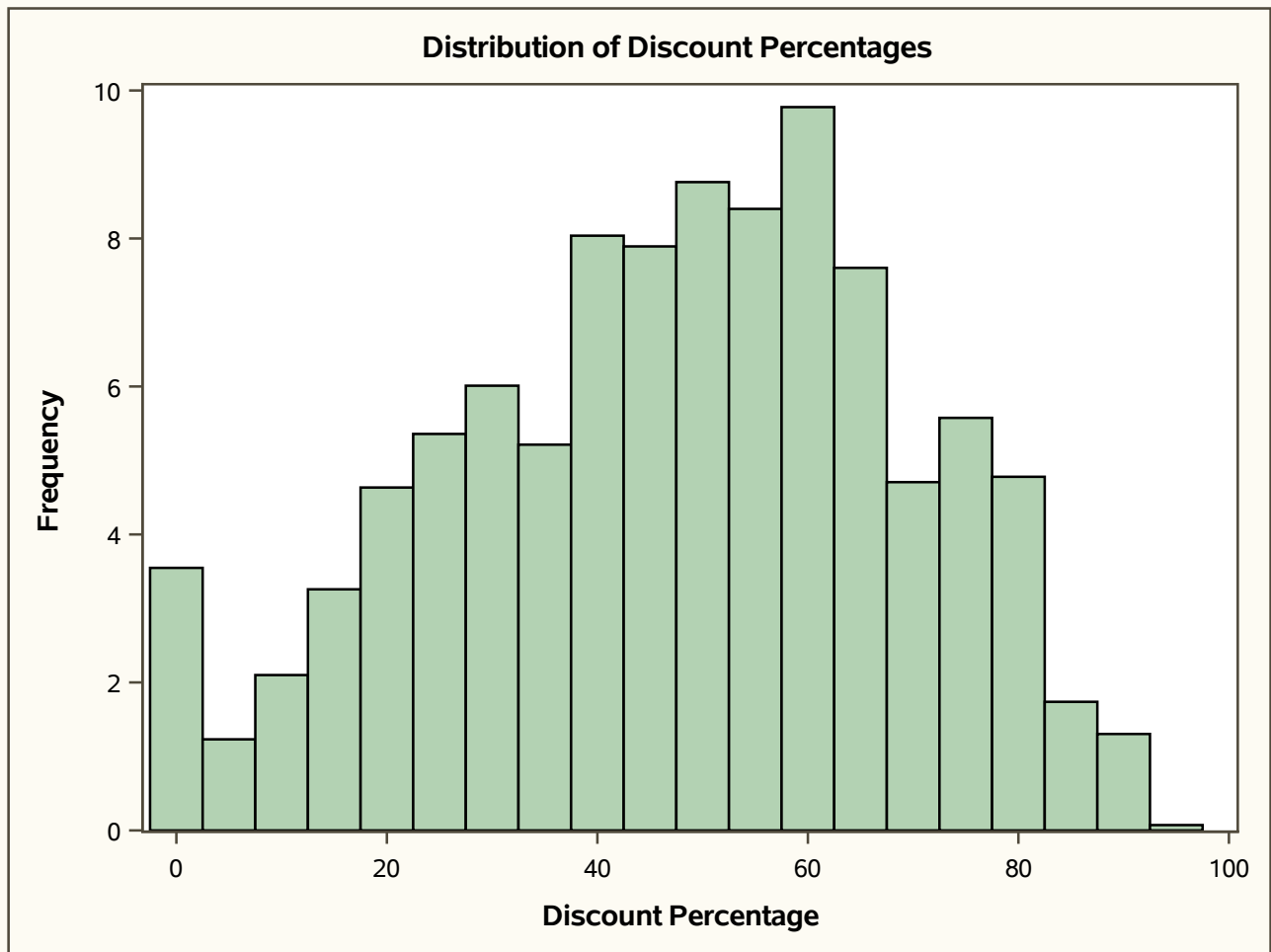
## Average Rating per Category

Analysis Variable : discount_percentage						
Sorted_Category	N Obs	N	Mean	Std Dev	Minimum	Maximum
Car&Motorbike	1	1	41.5250000	.	41.5250000	41.5250000
Computers&Accessories	387	387	53.6267702	19.9058078	0	94.1188238
Electronics	509	509	50.4659166	22.1168477	0	91.0045502
Health&PersonalCare H	1	1	52.6842105	.	52.6842105	52.6842105
Home&Kitchen	447	447	40.1708079	18.4263623	0	90.0450225
HomeImprovement	2	2	57.9440877	0.6881990	57.4574575	58.4307179
MusicalInstrument	2	2	45.8082976	20.0700981	31.6165951	60.0000000
OfficeProducts	31	31	12.3598170	18.2354679	0	75.2500000
Toys&Games	1	1	0	.	0	0



**Average Discount Percentage by Category**

Obs	Sorted_Catergory	avg_discount
1		47.1267
2	Car&Motorbike	41.5250
3	Computers&Accessories	53.6268
4	Electronics	50.4659
5	Health&PersonalCare H	52.6842
6	Home&Kitchen	40.1708
7	HomeImprovement	57.9441
8	MusicalInstrument	45.8083
9	OfficeProducts	12.3598
10	Toys&Games	0.0000



## Distribution of Discount Percentages

Obs	rating	review_content
1	4.5	Nice
2	3.4	it works.
3	4.1	good quality tool from d linkWiFi signal is good
4	4.6	Nice product
5	4.4	I you want to buy it for CP Plus Orange DVR
6	3.9	Overall good and a better experience
7	3.2	Its not plug an play u need to install the driver and will support till 2.4 Ghz not above that. Im using in Jio wifi so its not supporting 5G connectivity as its 3.0
8	3	It funcions properly and useful to me.
9	3.3	I use this to connect an old PC to internet. I tried lubuntu 20 and ubuntu 22
10	4.2	Pros:*Easy to use & Portable*Can be connected to Mobile Hotspot and used in PC( Budget Friendly)*Less installation process*No heating issues & Good Coverage*Best alternative for USB Tethering (phone's battery may get damaged for long term run with Tethering)Cons:*Internet connection speed varies at times

**Words Associated with Higher Ratings**

Obs	word	COUNT
1	is	409
2	the	407
3	to	351
4	and	340
5	it	301
6	for	267
7	I	256
8	good	207
9	a	194
10	product	177
11	of	173
12	this	154
13	in	149
14	my	115
15	you	108
16	with	103
17	not	101
18	use	101
19	Good	99
20	but	99