

The CONTENTS Procedure

Data Set Name	MYDATA.LISTINGS	Observations	49056
Member Type	DATA	Variables	54
Engine	BASE	Indexes	0
Created	03/28/2022 14:31:16	Observation Length	440
Last Modified	03/28/2022 14:31:16	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
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	166
First Data Page	1
Max Obs per Page	297
Obs in First Data Page	276
Number of Data Set Repairs	0
Filename	/home/u61270967/my_shared_file_links/u59229493/Week#10/listings.sas7bdat
Release Created	9.0401M6
Host Created	Linux
Inode Number	42991659
Access Permission	rw-r--r--
Owner Name	u59229493
File Size	21MB
File Size (bytes)	21889024

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat
19	accommodates	Num	8	BEST12.	BEST32.
35	availability_30	Num	8	BEST12.	BEST32.
36	availability_60	Num	8	BEST12.	BEST32.
37	availability_90	Num	8	BEST12.	BEST32.
38	availability_365	Num	8	BEST12.	BEST32.
20	bathrooms	Num	8	BEST12.	BEST32.
23	bed_type	Char	13	\$13.	\$13.
21	bedrooms	Num	8	BEST12.	BEST32.
22	beds	Num	8	BEST12.	BEST32.
53	calculated_host_listings_count	Num	8	BEST12.	BEST32.
34	calendar_updated	Char	13	\$13.	\$13.
50	cancellation_policy	Char	27	\$27.	\$27.
12	city	Char	8	\$8.	\$8.
29	cleaning_fee	Num	8	BEST12.	BEST32.
31	extra_people	Num	8	BEST12.	BEST32.
40	first_review	Num	8	MMDDYY10.	MMDDYY10.
30	guests_included	Num	8	BEST12.	BEST32.
8	host_has_profile_pic	Char	1	\$1.	\$1.
2	host_id	Num	8	BEST12.	BEST32.
9	host_identity_verified	Char	1	\$1.	\$1.
6	host_is_superhost	Char	1	\$1.	\$1.
7	host_listings_count	Num	8	BEST12.	BEST32.
5	host_response_rate	Char	4	\$4.	\$4.
4	host_response_time	Char	18	\$18.	\$18.

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Informat
3	host_since	Num	8	MMDDYY10.	MMDDYY10.
1	id	Num	8	BEST12.	BEST32.
49	instant_bookable	Char	1	\$1.	\$1.
16	is_location_exact	Char	1	\$1.	\$1.
41	last_review	Num	8	MMDDYY10.	MMDDYY10.
14	latitude	Num	8	BEST12.	BEST32.
15	longitude	Num	8	BEST12.	BEST32.
33	maximum_nights	Num	8	BEST12.	BEST32.
32	minimum_nights	Num	8	BEST12.	BEST32.
27	monthly_price	Num	8	BEST12.	BEST32.
10	neighbourhood_cleansed	Char	18	\$18.	\$18.
11	neighbourhood_group_cleansed	Char	9	\$9.	\$9.
39	number_of_reviews	Num	8	BEST12.	BEST32.
25	price	Num	8	BEST12.	BEST32.
17	property_type	Char	11	\$11.	\$11.
52	require_guest_phone_verification	Char	1	\$1.	\$1.
51	require_guest_profile_picture	Char	1	\$1.	\$1.
43	review_scores_accuracy	Num	8	BEST12.	BEST32.
45	review_scores_checkin	Num	8	BEST12.	BEST32.
44	review_scores_cleanliness	Num	8	BEST12.	BEST32.
46	review_scores_communication	Num	8	BEST12.	BEST32.
47	review_scores_location	Num	8	BEST12.	BEST32.
42	review_scores_rating	Num	8	BEST12.	BEST32.
48	review_scores_value	Num	8	BEST12.	BEST32.
54	reviews_per_month	Num	8	BEST12.	BEST32.
18	room_type	Char	15	\$15.	\$15.
28	security_deposit	Num	8	BEST12.	BEST32.
24	square_feet	Num	8	BEST12.	BEST32.
26	weekly_price	Num	8	BEST12.	BEST32.
13	zipcode	Num	8	BEST12.	BEST32.

The FREQ Procedure

neighbourhood_group_cleansed	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Bronx	928	1.89	928	1.89
Brooklyn	19968	40.71	20896	42.60
Manhattan	22564	46.00	43460	88.60
Queens	5273	10.75	48733	99.35
Staten Is	320	0.65	49053	100.00
Frequency Missing = 3				

The FREQ Procedure

neighbourhood_group_cleansed	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Manhattan	22564	46.00	22564	46.00
Brooklyn	19968	40.71	42532	86.71
Queens	5273	10.75	47805	97.46
Bronx	928	1.89	48733	99.35
Frequency Missing = 3				

neighbourhood_group_cleansed	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Staten Is	320	0.65	49053	100.00
Frequency Missing = 3				

The FREQ Procedure

neighbourhood_group_cleansed	room_type			
	Entire home/apt	Private room	Shared room	Total
Manhattan	14102	8028	434	22564
Brooklyn	9540	10046	382	19968
Queens	1958	3110	205	5273
Bronx	314	577	37	928
Staten Is	143	172	5	320
Total	26057	21933	1063	49053
Frequency Missing = 3				

The UNIVARIATE Procedure
Variable: price

Moments			
N	49053	Sum Weights	49053
Mean	152.301653	Sum Observations	7470853
Std Deviation	227.800206	Variance	51892.934
Skewness	20.4539323	Kurtosis	697.82581
Uncorrected SS	3683275463	Corrected SS	2545452199
Coeff Variation	149.571723	Std Error Mean	1.02854033

Basic Statistical Measures			
Location		Variability	
Mean	152.3017	Std Deviation	227.80021
Median	110.0000	Variance	51893
Mode	150.0000	Range	10000
		Interquartile Range	109.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	148.0755	Pr > t	<.0001
Sign	M	24514	Pr >= M	<.0001
Signed Rank	S	6.0095E8	Pr >= S	<.0001

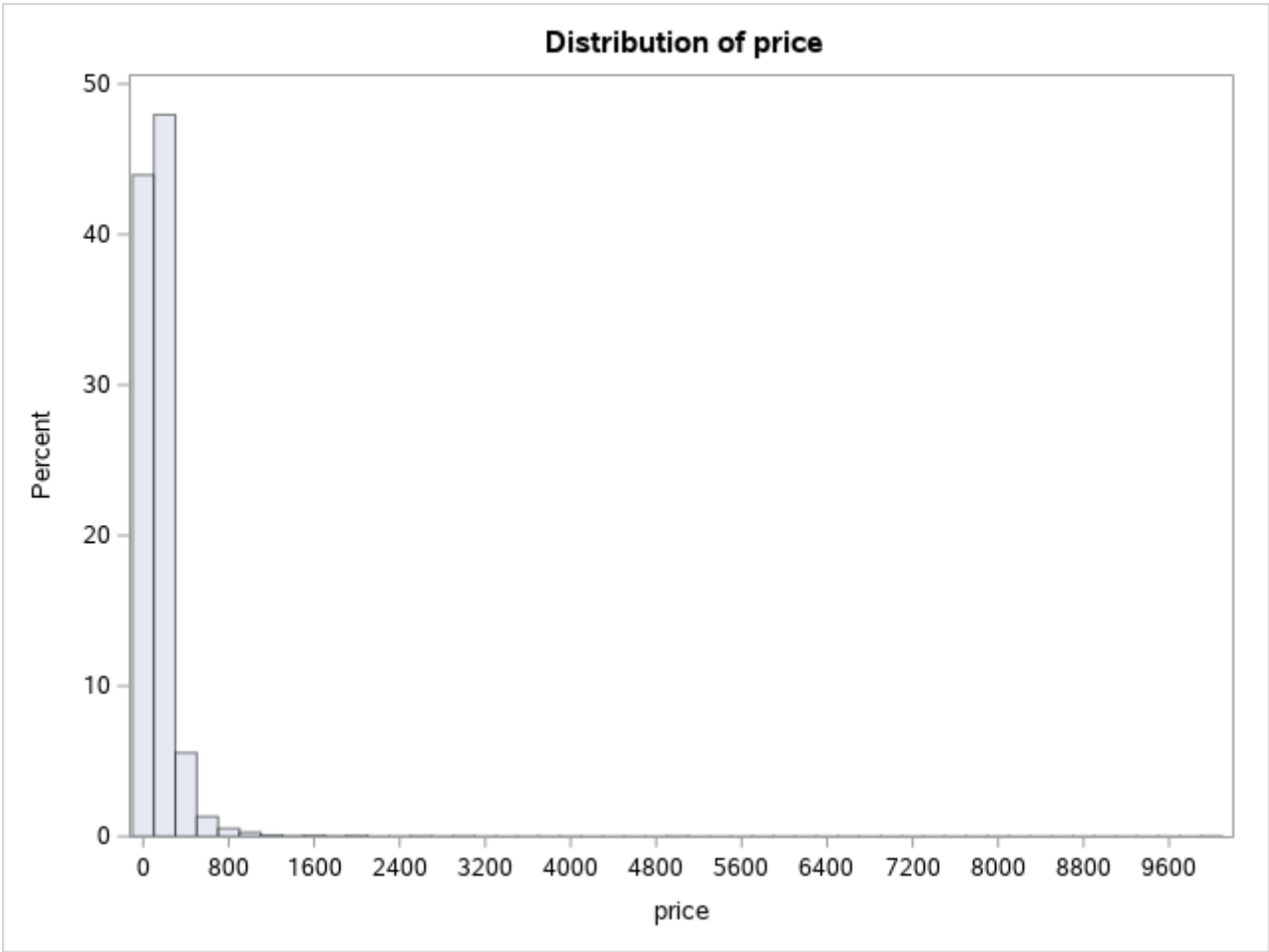
Quantiles (Definition 5)	
Level	Quantile
100% Max	10000
99%	750
95%	355
90%	272
75% Q3	179
50% Median	110
25% Q1	70
10%	50

Quantiles (Definition 5)	
Level	Quantile
5%	40
1%	30
0% Min	0

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	42926	9999	13960
0	38781	10000	10346
0	31405	10000	12395
0	31397	10000	17985
0	31339	10000	20017

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	3	0.01	100.00

The UNIVARIATE Procedure



The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
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Variable	N	Mean	Std Dev	Minimum	Maximum
price	49053	152.3016533	227.8002064	0	10000.00
accommodates	49053	2.8903635	1.8965131	1.0000000	16.0000000
bathrooms	48977	1.1740613	0.4884138	0	17.0000000

The MEANS Procedure

room_type	N Obs	Variable	N	N Miss	Minimum	Maximum	Mean	Median	Std Dev
Entire home/apt	26057	price	26057	0	0	10000.00	208.8284146	160.0000000	251.8221308
		accommodates	26057	0	1.0000000	16.0000000	3.7491269	3.0000000	2.0988856
		bathrooms	26037	20	0	16.0000000	1.1796290	1.0000000	0.4976853
Private room	21933	price	21933	0	0	10000.00	89.0778279	70.0000000	178.8739211
		accommodates	21933	0	1.0000000	16.0000000	1.9267770	2.0000000	0.9309658
		bathrooms	21880	53	0	17.0000000	1.1629799	1.0000000	0.4465495
Shared room	1063	price	1063	0	0	1800.00	71.1825024	49.0000000	112.6109271
		accommodates	1063	0	1.0000000	16.0000000	1.7215428	1.0000000	1.2280374
		bathrooms	1060	3	0	8.0000000	1.2660377	1.0000000	0.9006227

The SURVEYSELECT Procedure

Selection Method	Simple Random Sampling
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Input Data Set	LISTINGS
Random Number Seed	42
Sampling Rate	0.2
Sample Size	9812
Selection Probability	0.200016
Sampling Weight	4.999592
Output Data Set	FULL