Population Descriptives

Population Descriptive Statistics

	N	Mean	Std. Deviation	Variance
Q1	600	1.665	.862	.743
Q2	600	1.632	.900	.809
Q3	600	1.755	.967	.935
Q4	600	1.630	.872	.760
Q5	600	1.643	.879	.773
Q6	600	1.718	.923	.852
Q7	600	1.728	.921	.848
Valid N (listwise)	600			

Std. Deviation and Variance use N rather than N-1 in denominators.

Nonparametric Tests

Notes

Output Created		29-DEC-2021 16:41:37
Comments		
Input	Data	C:\Users\pkaml\Documents\Data fpr 2020-21.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	600

Syntax		NPTESTS /ONESAMPLE TEST (q1 q2 q3 q4 q5 q6 q7) /MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE /CRITERIA ALPHA=0.05 CILEVEL=95 SEED=RANDOM.
Resources	Processor Time	00:00:02.05
	Elapsed Time	00:00:02.08

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.[a,b]	Decision
1	The categories of Q1 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the null hypothesis.
2	The categories of Q2 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the null hypothesis.
3	The categories of Q3 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the null hypothesis.
4	The categories of Q4 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the null hypothesis.
5	The categories of Q5 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the null hypothesis.
6	The categories of Q6 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the null hypothesis.
7	The categories of Q7 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the null hypothesis.

a. The significance level is .050.

b. Asymptotic significance is displayed.

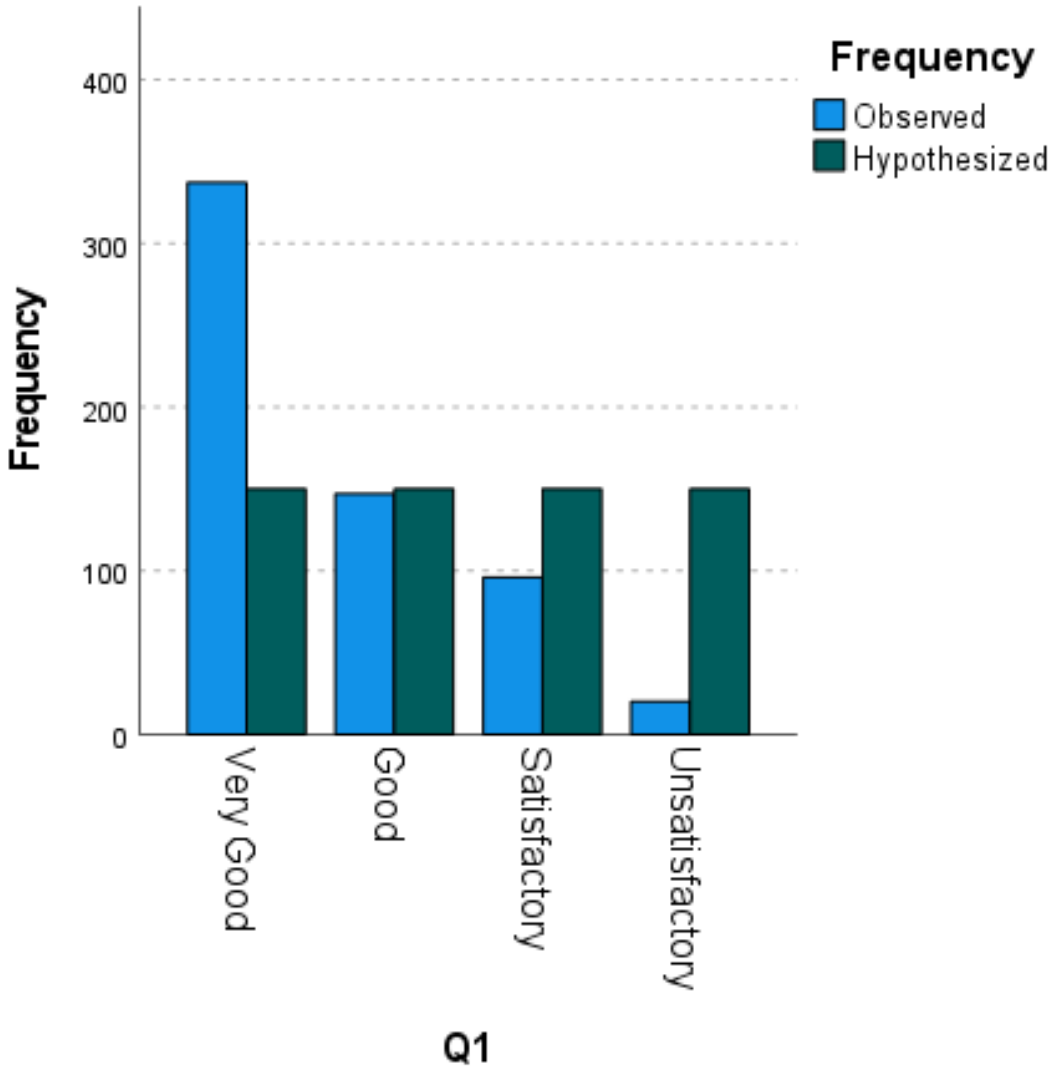
One-Sample Chi-Square Test

Q1

One-Sample Chi-Square Test Summary

Total N	600
Test Statistic	365.293[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 150.

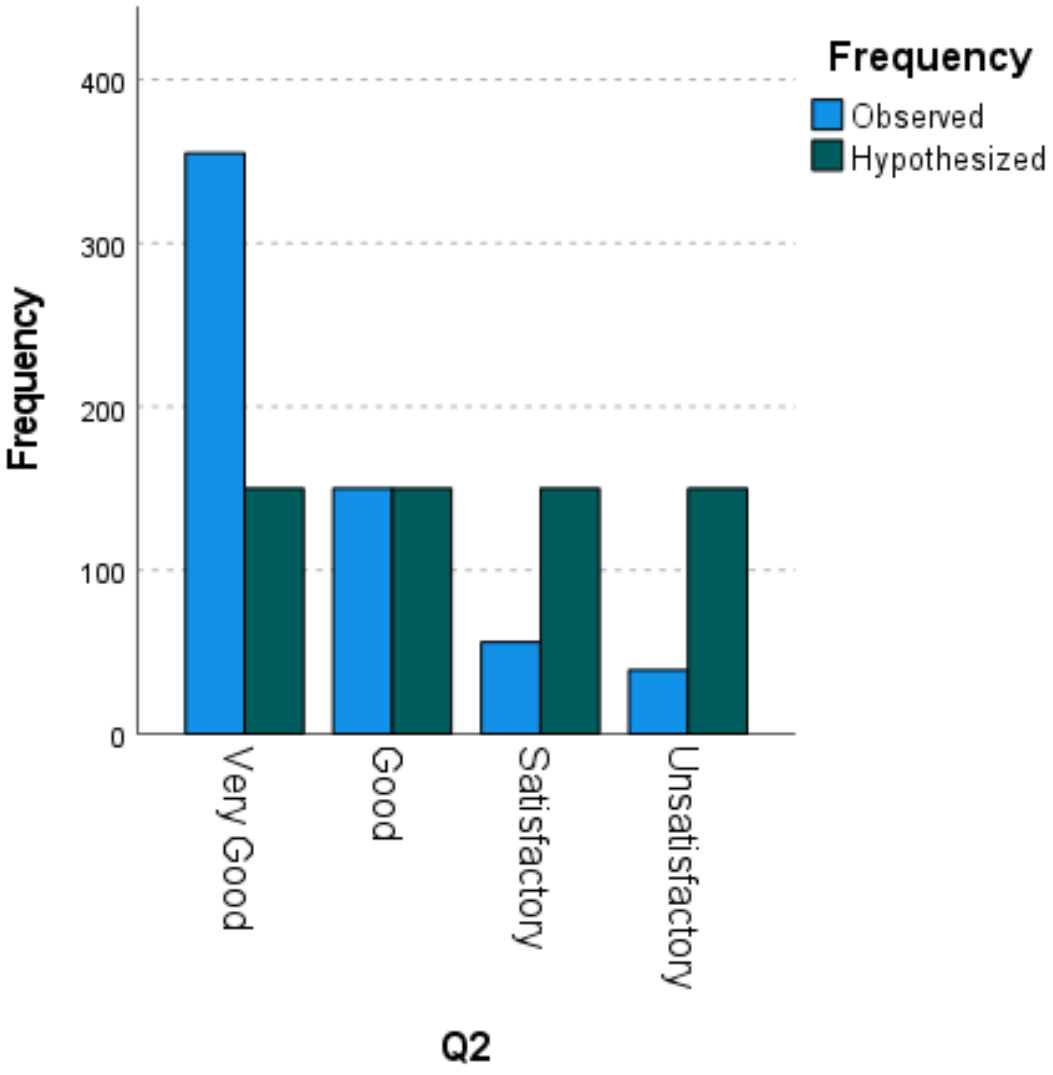


Q2

One-Sample Chi-Square Test Summary

Total N	600
Test Statistic	421.213[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 150.

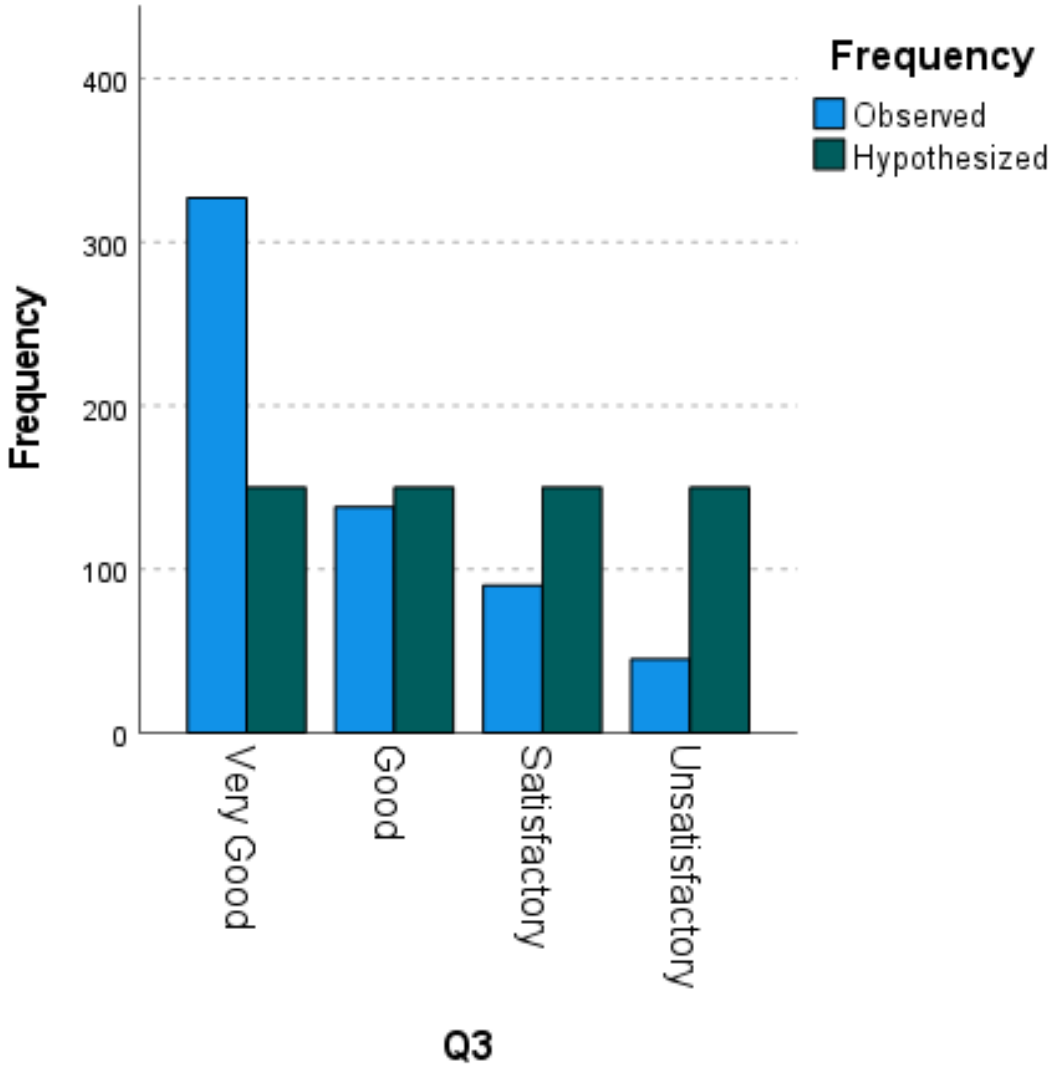


Q3

One-Sample Chi-Square Test Summary

Total N	600
Test Statistic	307.320[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 150.



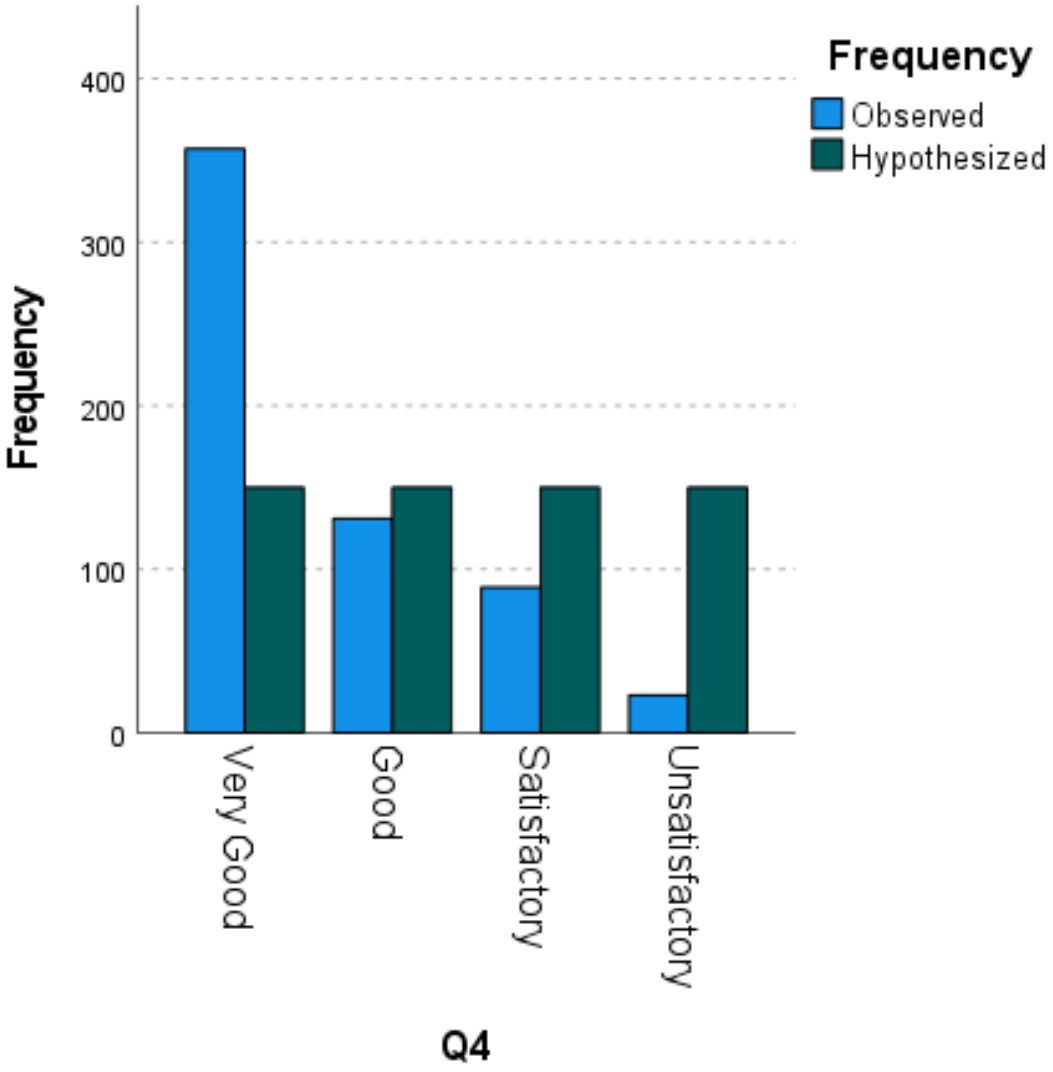
Q4

One-Sample Chi-Square Test Summary

Total N	600
Test Statistic	420.400[a]
Degree Of Freedom	3

Asymptotic Sig.(2-sided test)	.000

a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 150.

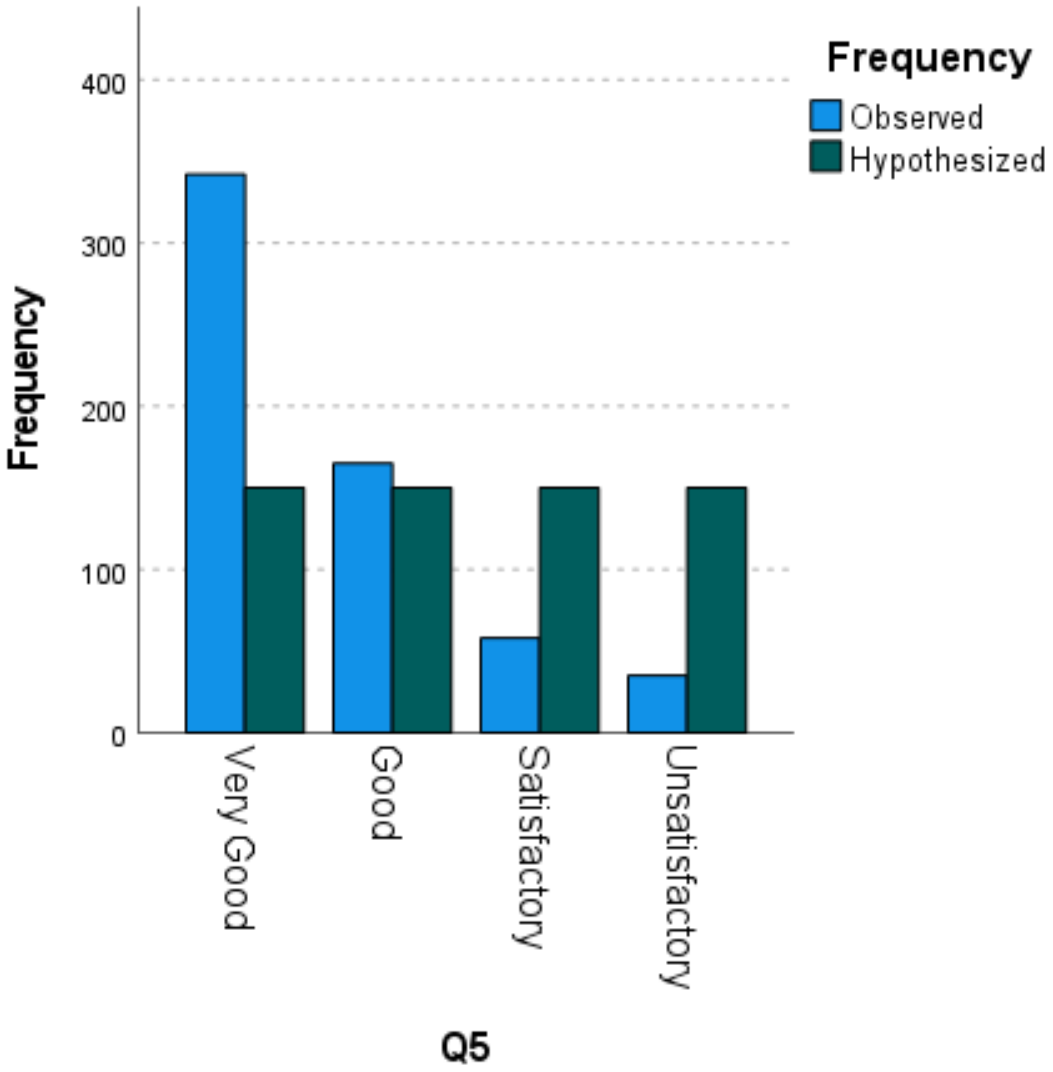


Q5

One-Sample Chi-Square Test Summary

Total N	600
Test Statistic	391.853[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 150.

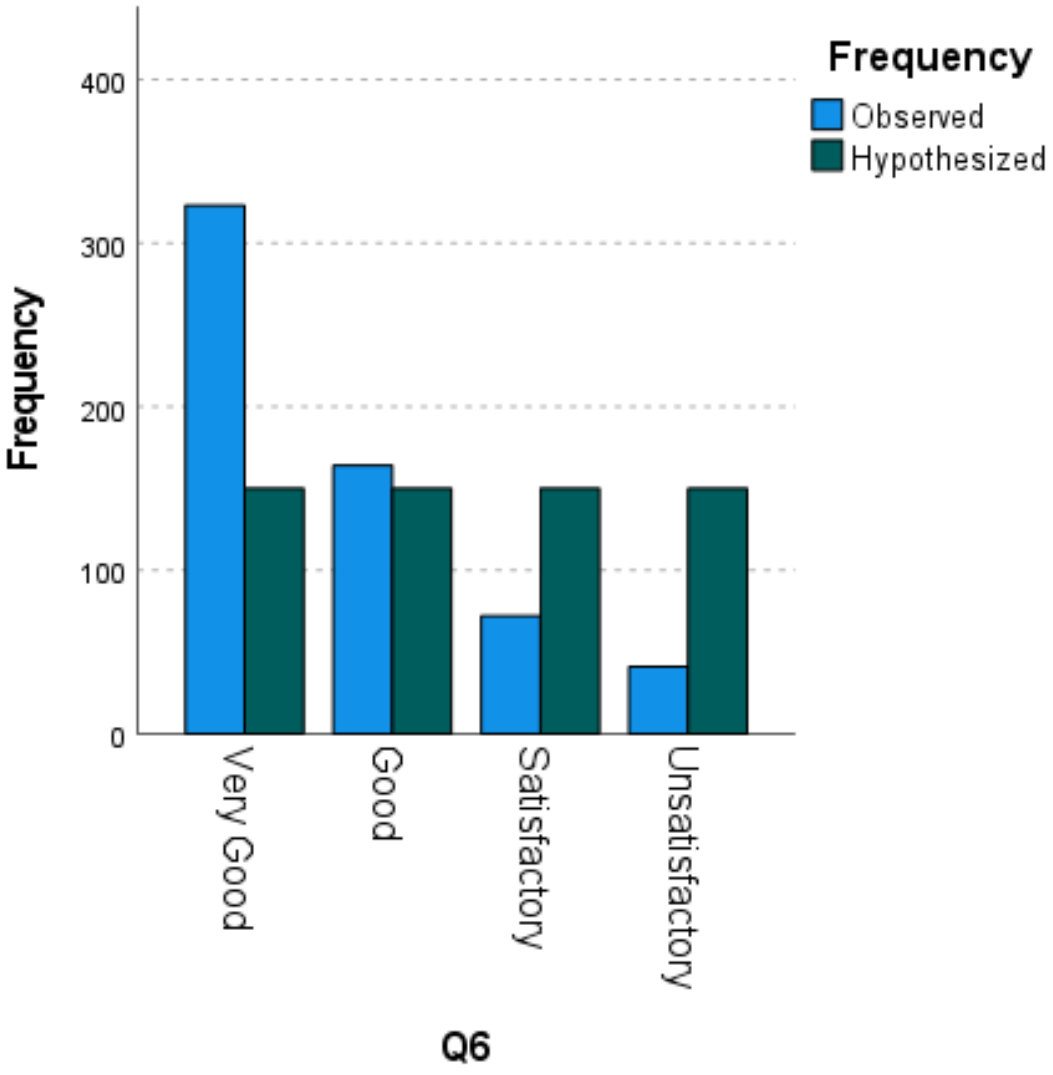


Q6

One-Sample Chi-Square Test Summary

Total N	600
Test Statistic	320.600[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 150.

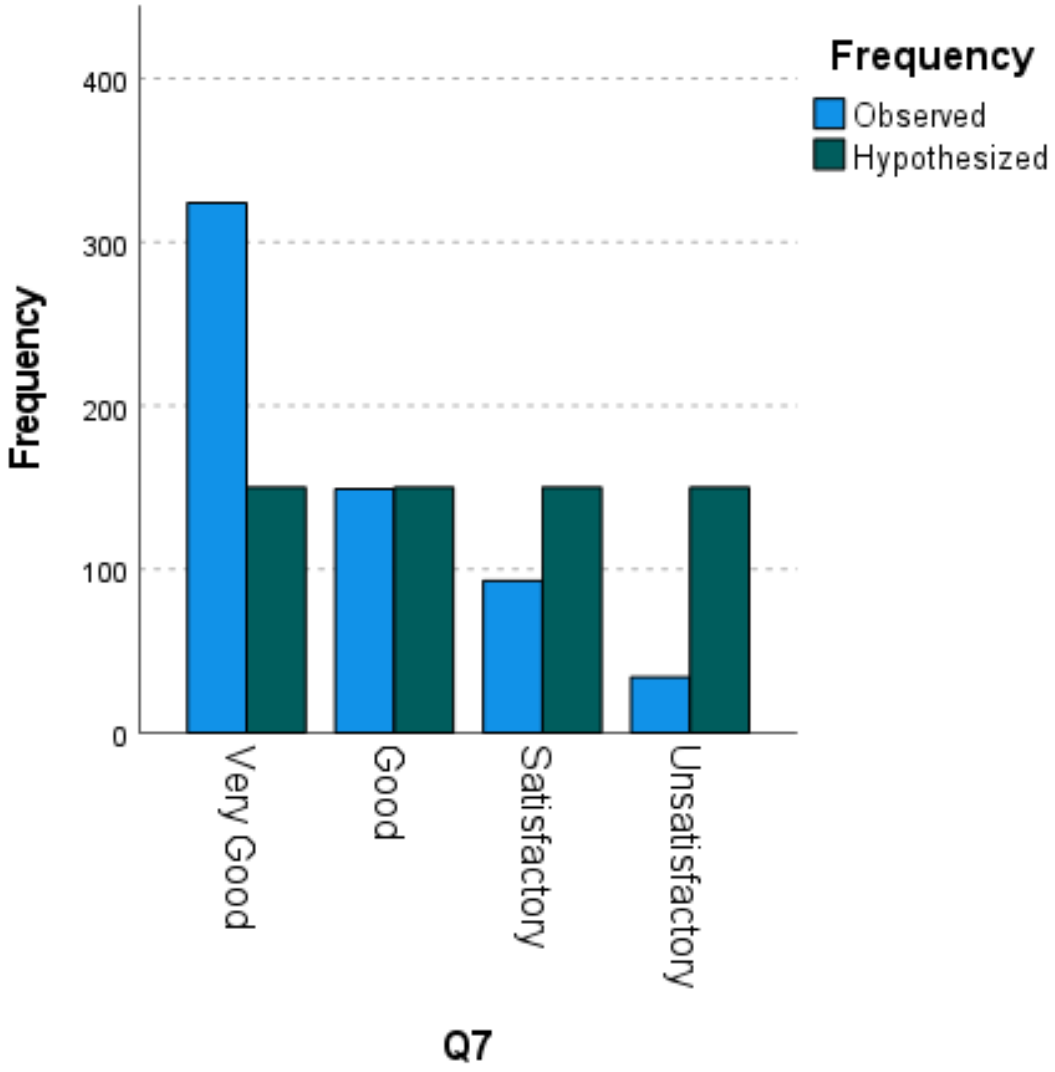


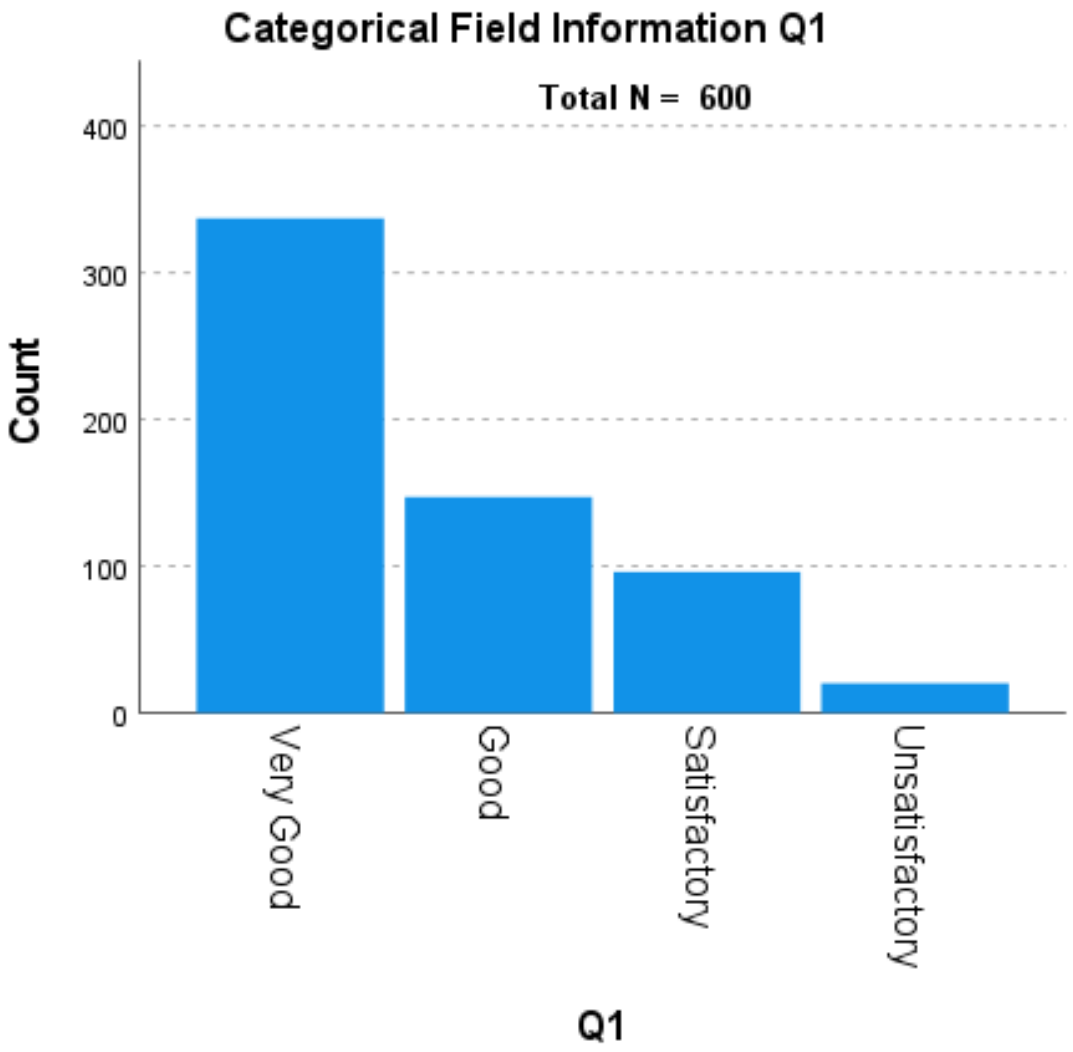
Q7

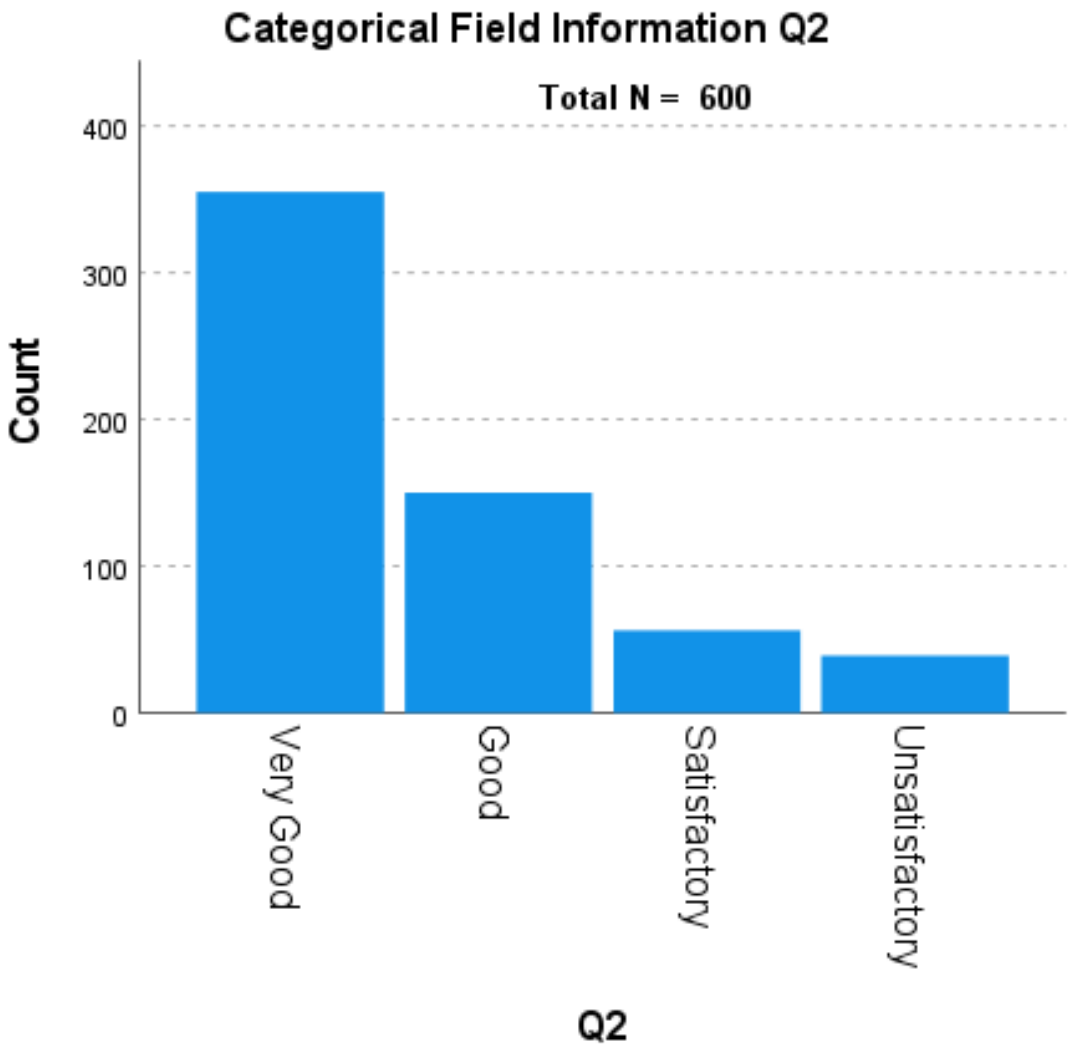
One-Sample Chi-Square Test Summary

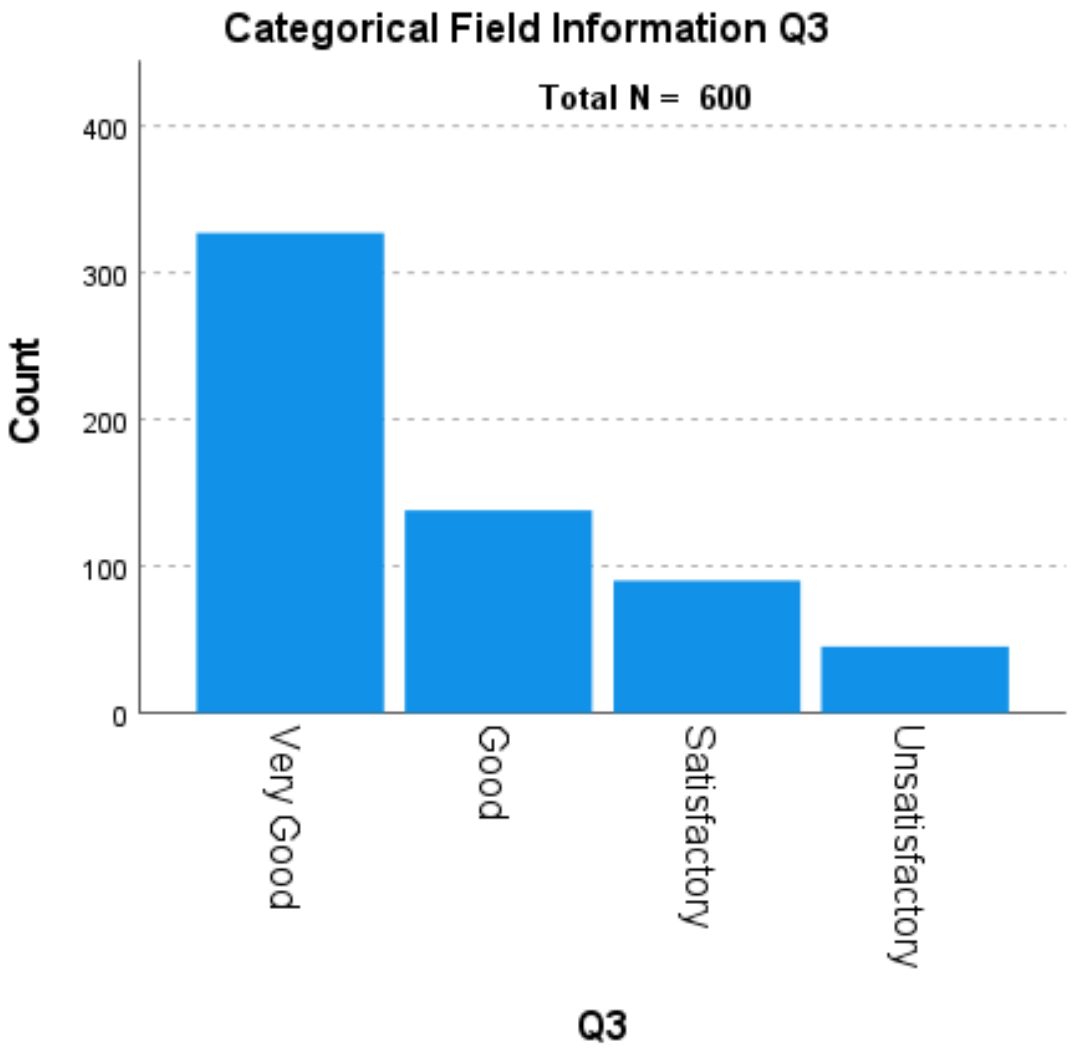
Total N	600
Test Statistic	313.213[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

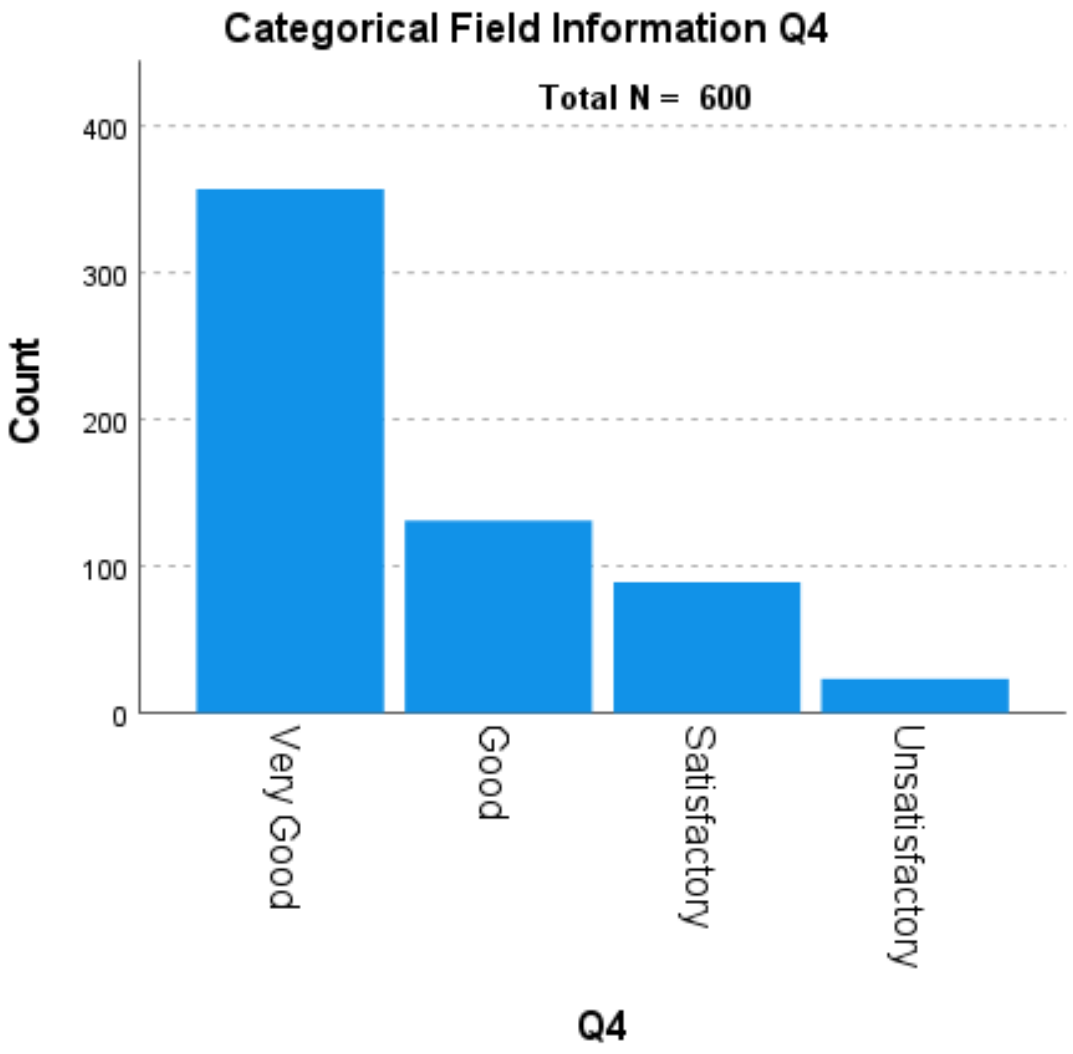
a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 150.

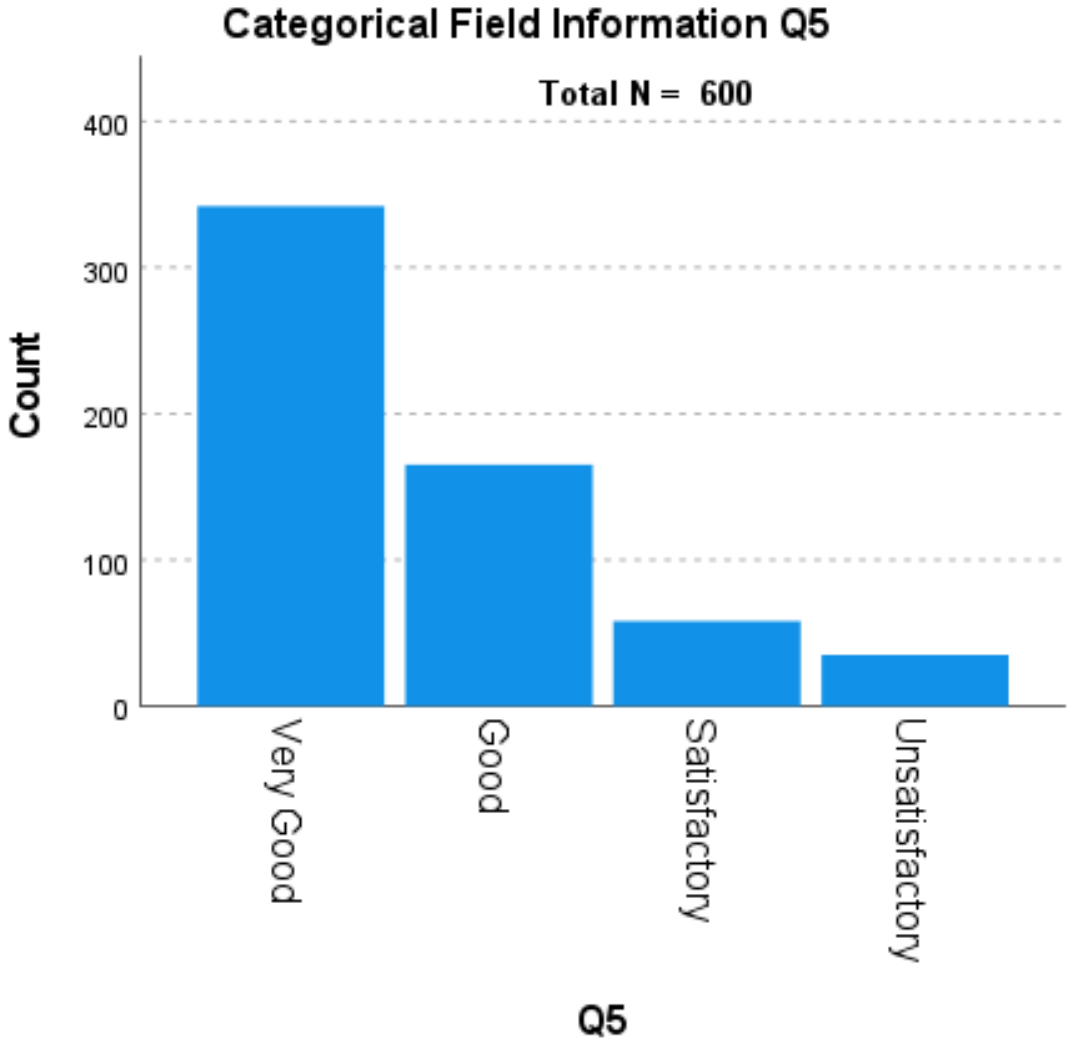

Frequency
Observed
Hypothesized
400
300
200
100
0
Frequency
Very Good
Good
Satisfactory
Unsatisfactory
Q7

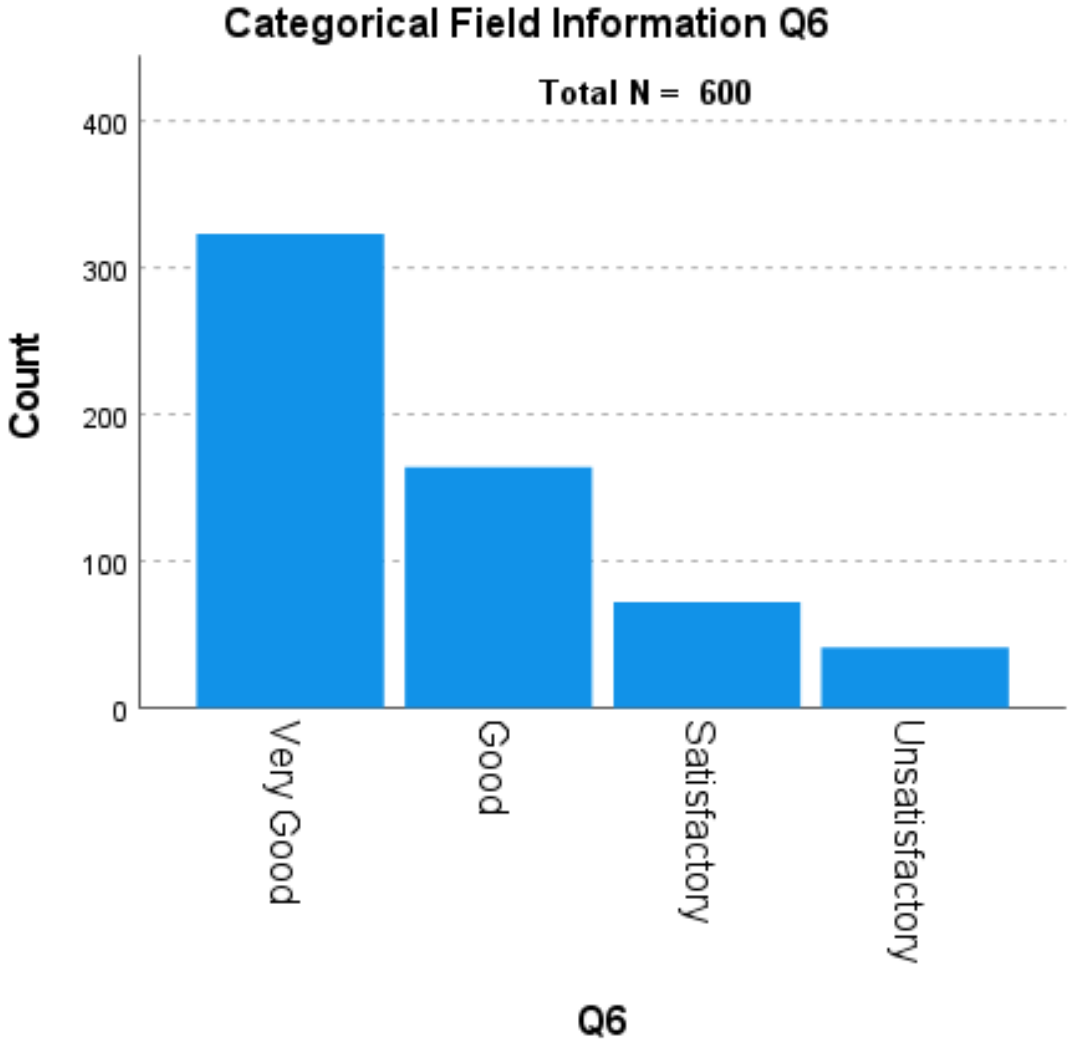

Categorical Field Information Q1
Total N = 600
Count
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q1

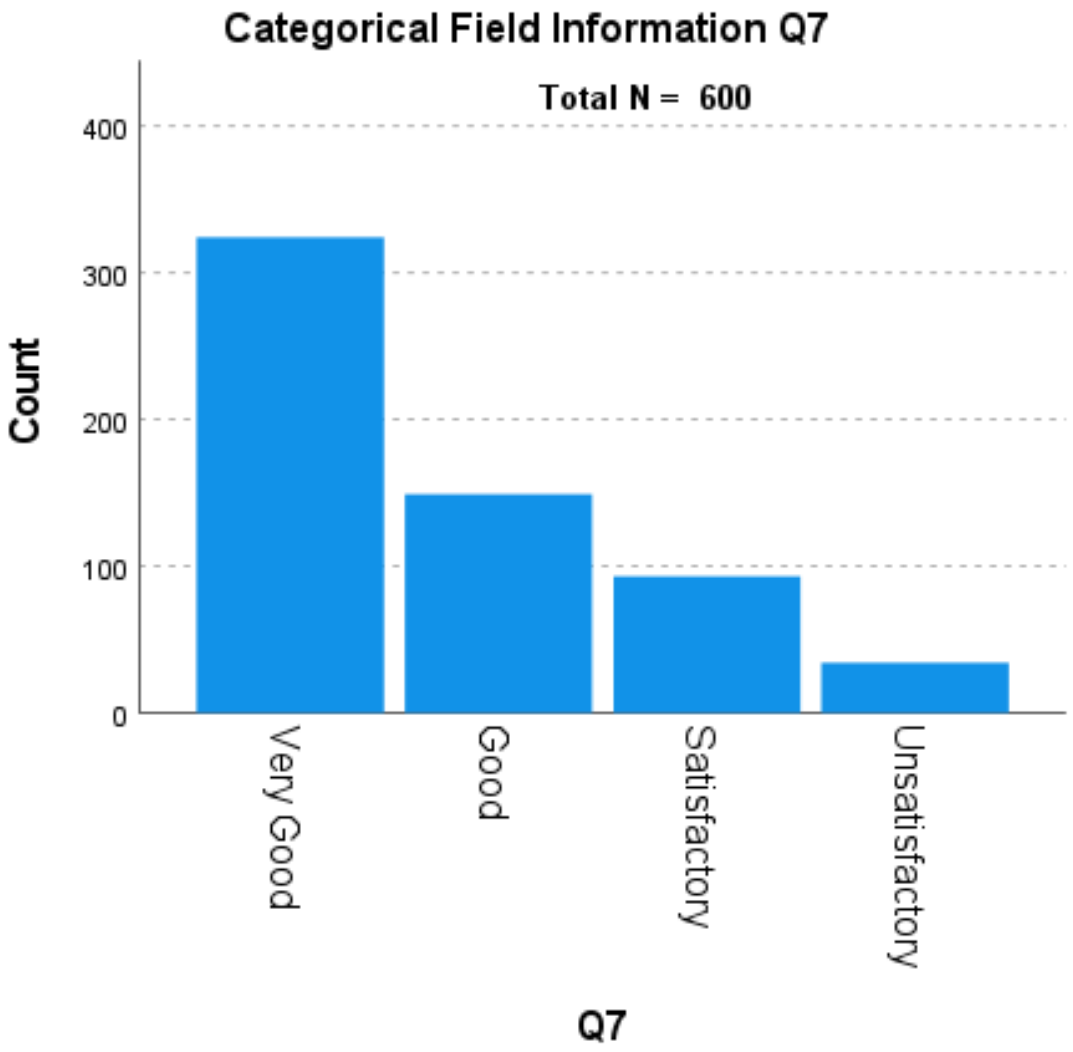

Categorical Field Information Q2
Total N = 600
Count
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q2


Categorical Field Information Q3
Total N = 600
Count
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q3


Categorical Field Information Q4
Total N = 600
Count
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q4


Categorical Field Information Q5
Total N = 600
Count
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q5


Categorical Field Information Q6
Total N = 600
Count
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q6



T-Test

Notes

Output Created		29-DEC-2021 16:42:11
Comments		
Input	Data	C:\Users\pkaml\Documents\Data fpr 2020-21.sav
	Active Dataset	DataSet0

	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	600
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST /TESTVAL=0 /MISSING=ANALYSIS /VARIABLES=Q1 Q2 Q3 Q4 Q5 Q6 Q7 /ES DISPLAY(TRUE) /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Q1	600	1.6650	.86256	.03521
Q2	600	1.6317	.90038	.03676
Q3	600	1.7550	.96775	.03951
Q4	600	1.6300	.87237	.03561
Q5	600	1.6433	.87982	.03592
Q6	600	1.7183	.92399	.03772
Q7	600	1.7283	.92156	.03762

One-Sample Test

Test Value = 0

	t	df	Significance One-Sided p	Significance Two-Sided p	Mean Difference	95% Confidence Interval of the Difference Lower	95% Confidence Interval of the Difference Upper
Q1	47.282	599	<.001	<.001	1.66500	1.5958	1.7342

Q2	44.390	599	<.001	<.001	1.63167	1.5595	1.7039
Q3	44.421	599	<.001	<.001	1.75500	1.6774	1.8326
Q4	45.768	599	<.001	<.001	1.63000	1.5601	1.6999
Q5	45.752	599	<.001	<.001	1.64333	1.5728	1.7139
Q6	45.553	599	<.001	<.001	1.71833	1.6443	1.7924
Q7	45.939	599	<.001	<.001	1.72833	1.6544	1.8022

One-Sample Effect Sizes

		Standardizer[a]	Point Estimate	95% Confidence Interval	
				Lower	Upper
Q1	Cohen's d	.86256	1.930	1.795	2.065
	Hedges' correction	.86364	1.928	1.792	2.063
Q2	Cohen's d	.90038	1.812	1.682	1.942
	Hedges' correction	.90151	1.810	1.680	1.940
Q3	Cohen's d	.96775	1.813	1.683	1.943
	Hedges' correction	.96896	1.811	1.681	1.941
Q4	Cohen's d	.87237	1.868	1.736	2.001
	Hedges' correction	.87347	1.866	1.733	1.998
Q5	Cohen's d	.87982	1.868	1.735	2.000
	Hedges' correction	.88092	1.865	1.733	1.998
Q6	Cohen's d	.92399	1.860	1.727	1.992
	Hedges' correction	.92515	1.857	1.725	1.989
Q7	Cohen's d	.92156	1.875	1.742	2.008
	Hedges' correction	.92272	1.873	1.740	2.006

a. The denominator used in estimating the effect sizes.
Cohen's d uses the sample standard deviation.
Hedges' correction uses the sample standard deviation, plus a correction factor.