Population Descriptives

Population Descriptive Statistics

	N	Mean	Std. Deviation	Variance
Q1	650	1.782	.977	.955
Q2	650	1.718	.939	.882
Q3	650	1.628	.879	.772
Q4	650	1.649	.856	.732
Q5	650	1.723	.925	.856
Q6	650	1.648	.893	.797
Q7	650	1.609	.885	.783
Valid N (listwise)	650			

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

Nonparametric Tests

Notes

Output Created	29-DEC-2021 17:03:29
Comments	

Input	Data	C:\Users\pkaml\Documents\Student Feedback Data 2017-18.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	650
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	00:00:02.17
	Elapsed Time	00:00:02.14

[DataSet0] C:\Users\pkaml\Documents\Student Feedback Data 2017-18.sav

Hypothesis Test Summary

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

6	The categories of Q6 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the nul hypothesis.
7	The categories of Q7 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the nul hypothesis.

a. The significance level is .050.
b. Asymptotic significance is displayed.

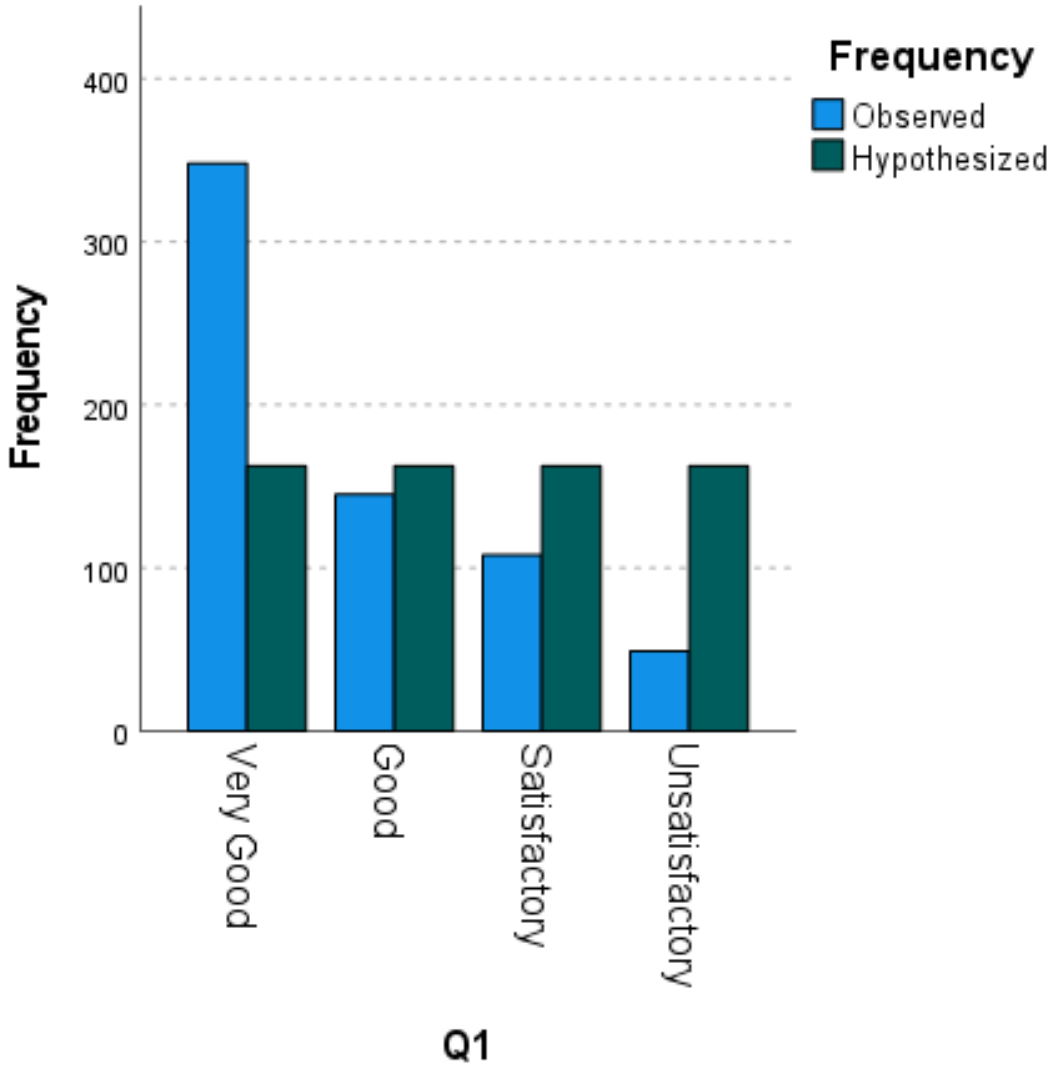
One-Sample Chi-Square Test

Q1

One-Sample Chi-Square Test Summary

Total N	650
Test Statistic	311.194[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 162.500.



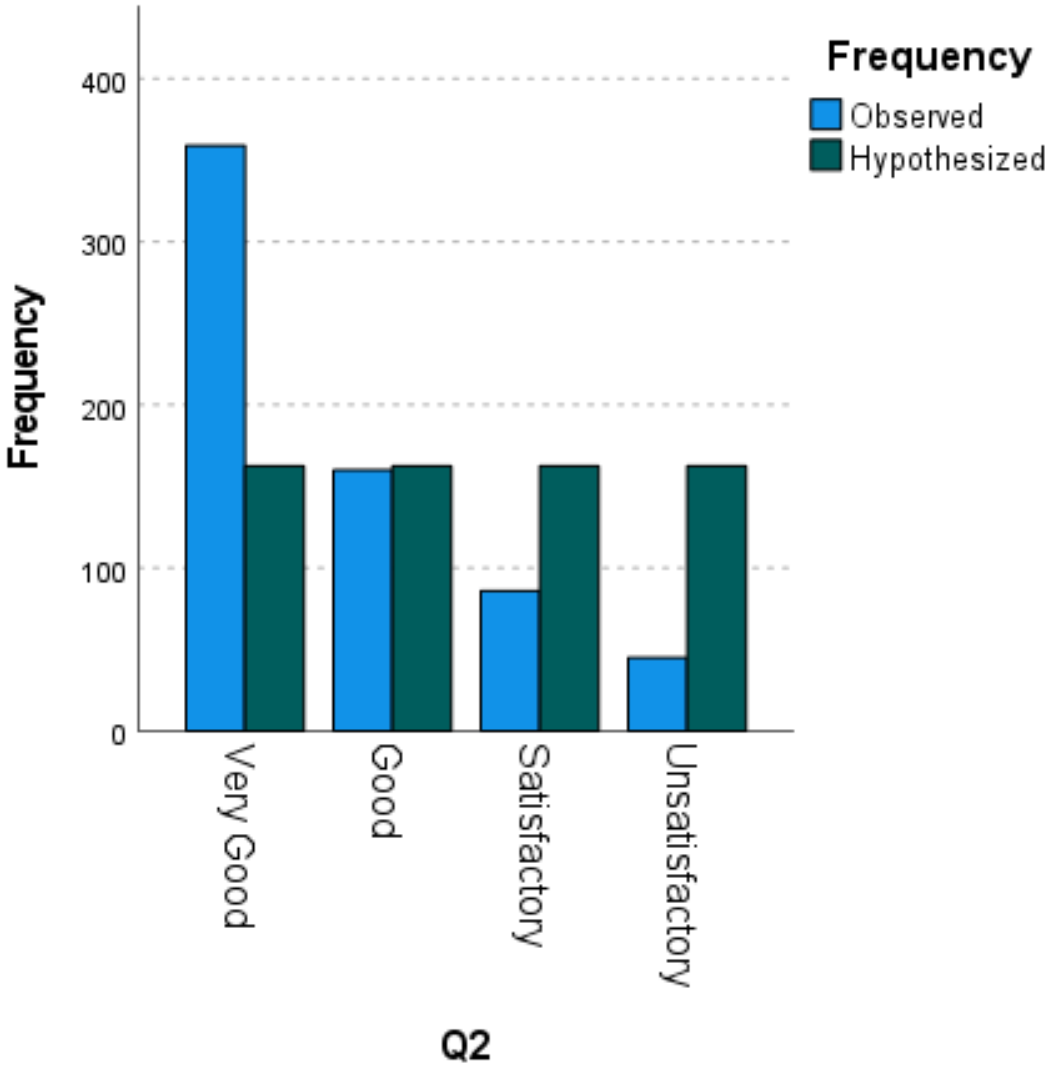
Q2

One-Sample Chi-Square Test Summary

Total N	650
Test Statistic	358.628[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 162.500.

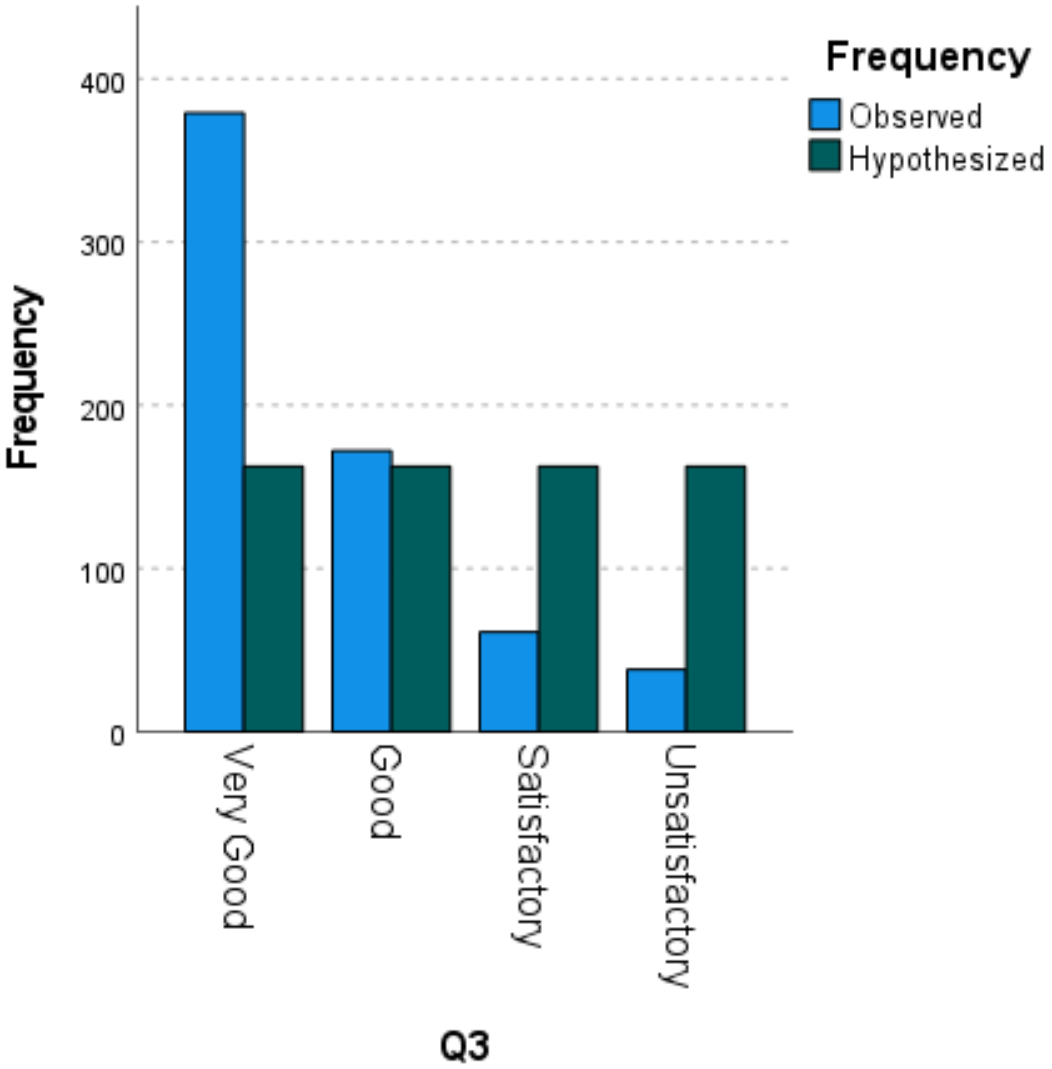


Q3

One-Sample Chi-Square Test Summary

Total N	650
Test Statistic	447.785[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 162.500.

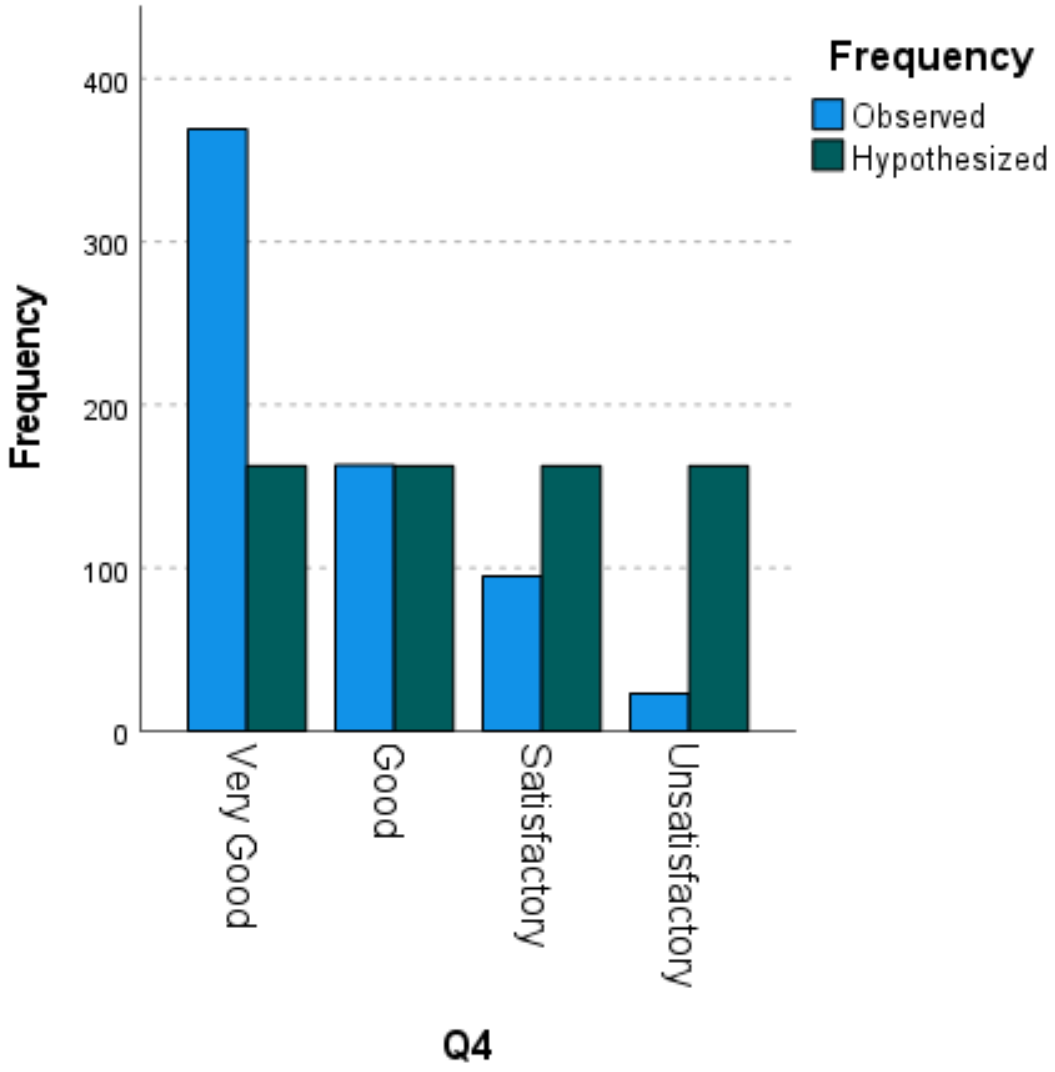


Q4

One-Sample Chi-Square Test Summary

Total N	650
Test Statistic	410.209[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 162.500.



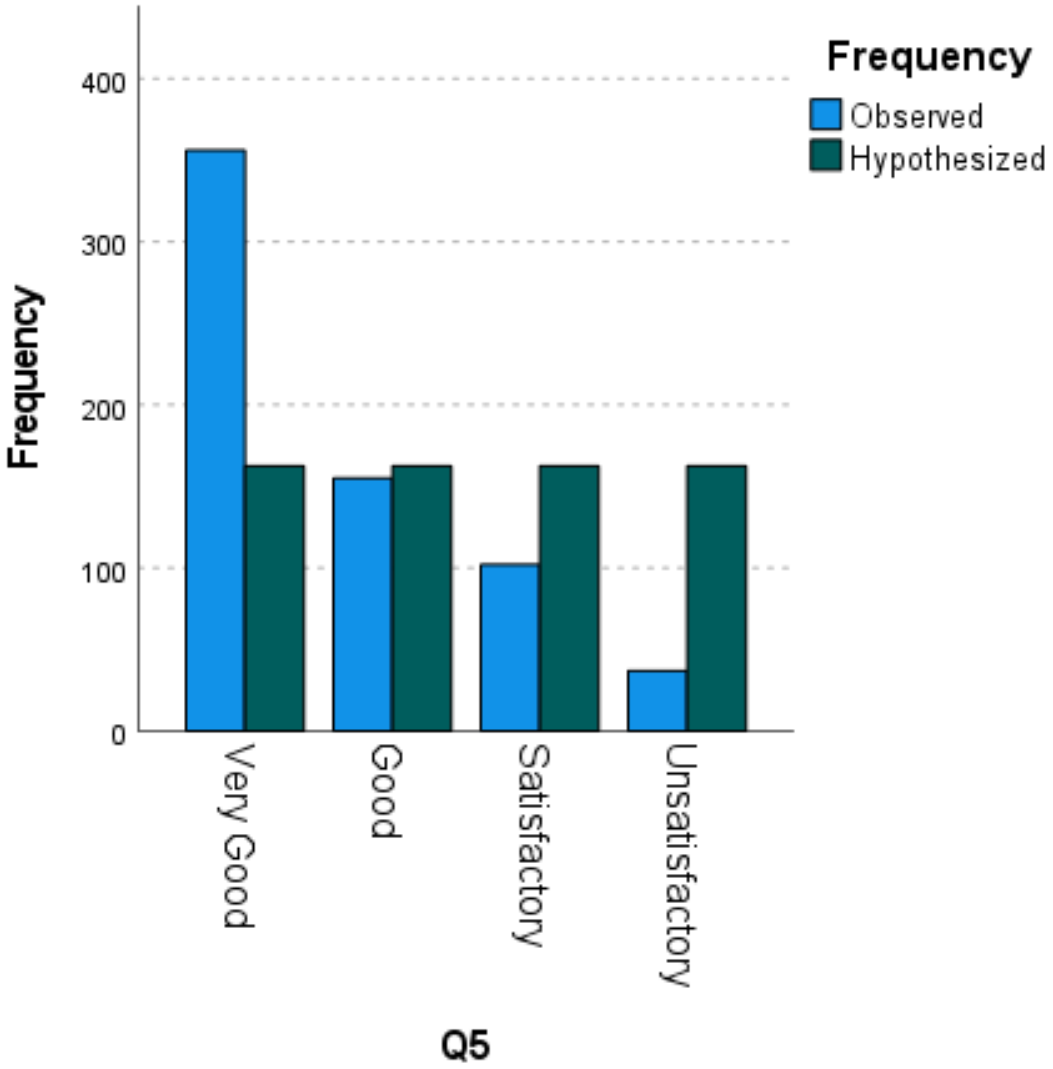
Q5

One-Sample Chi-Square Test Summary

Total N	650
Test Statistic	350.209[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 162.500.

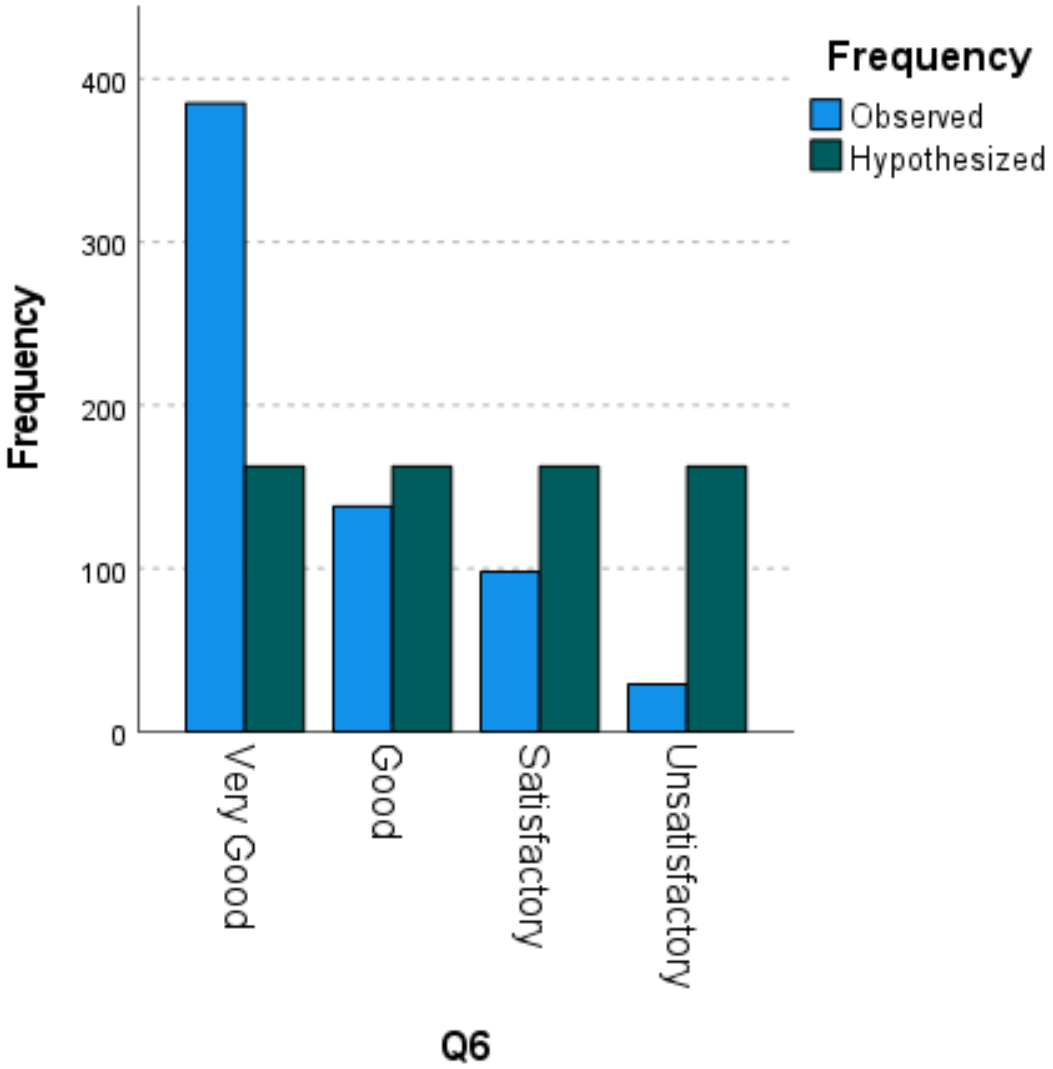


Q6

One-Sample Chi-Square Test Summary

Total N	650
Test Statistic	443.625[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 162.500.

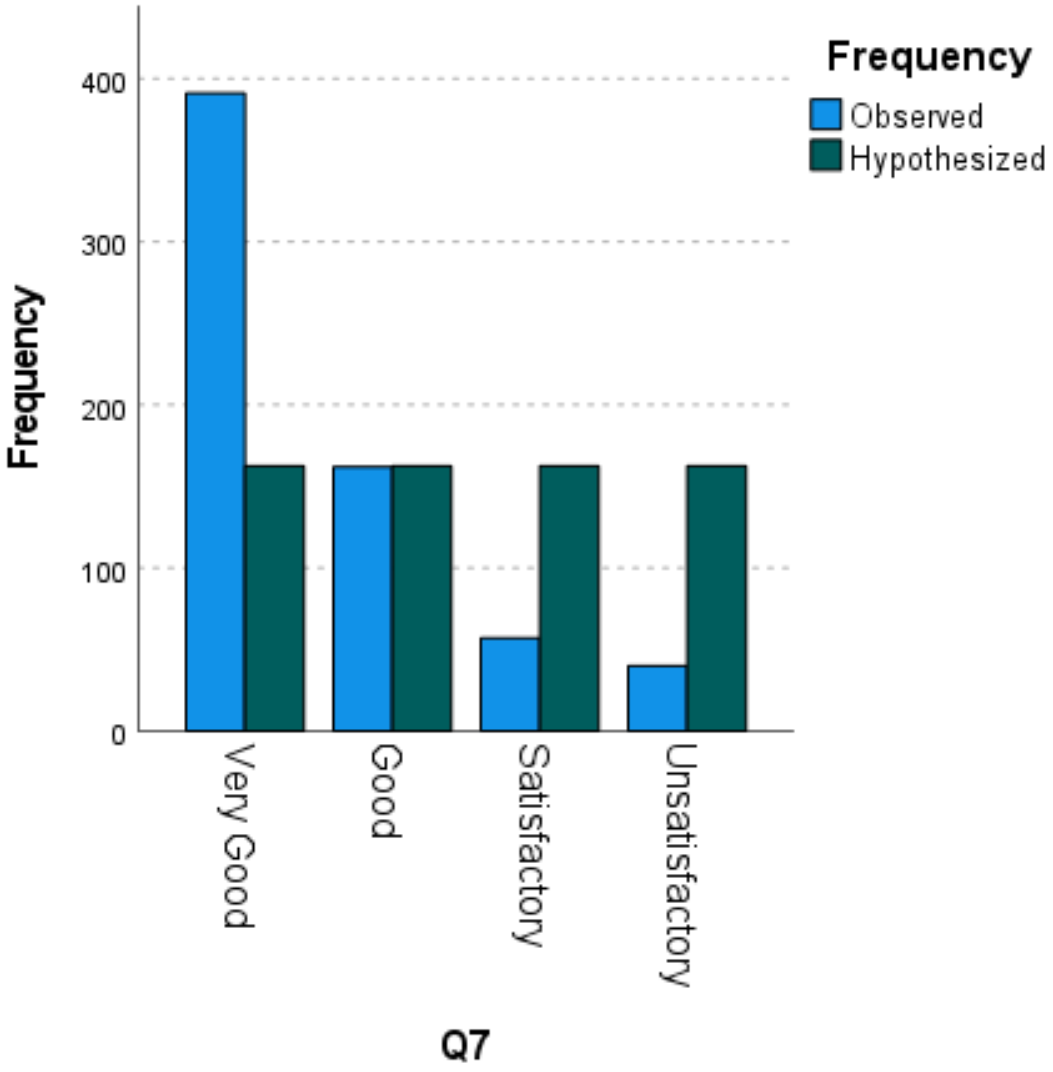


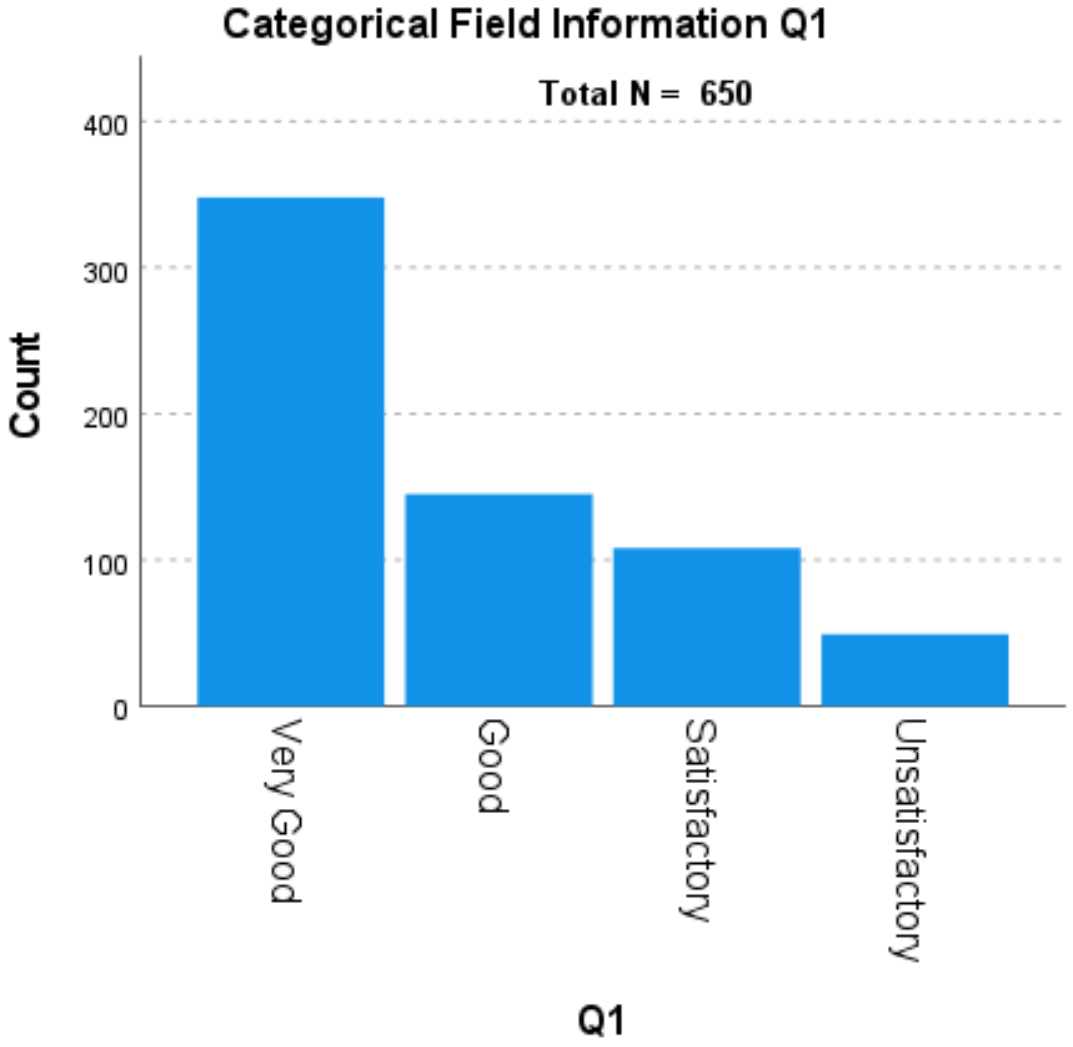
Q7

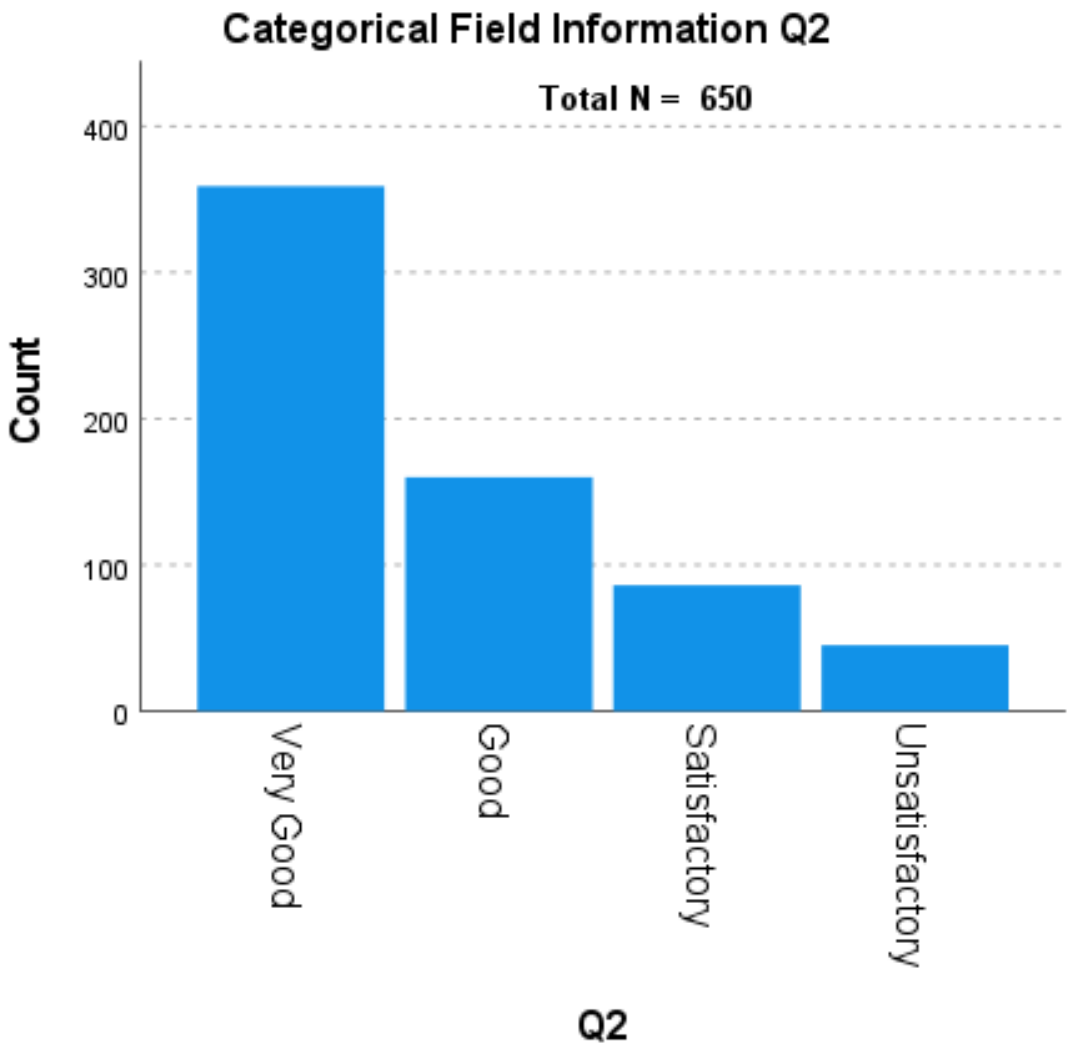
One-Sample Chi-Square Test Summary

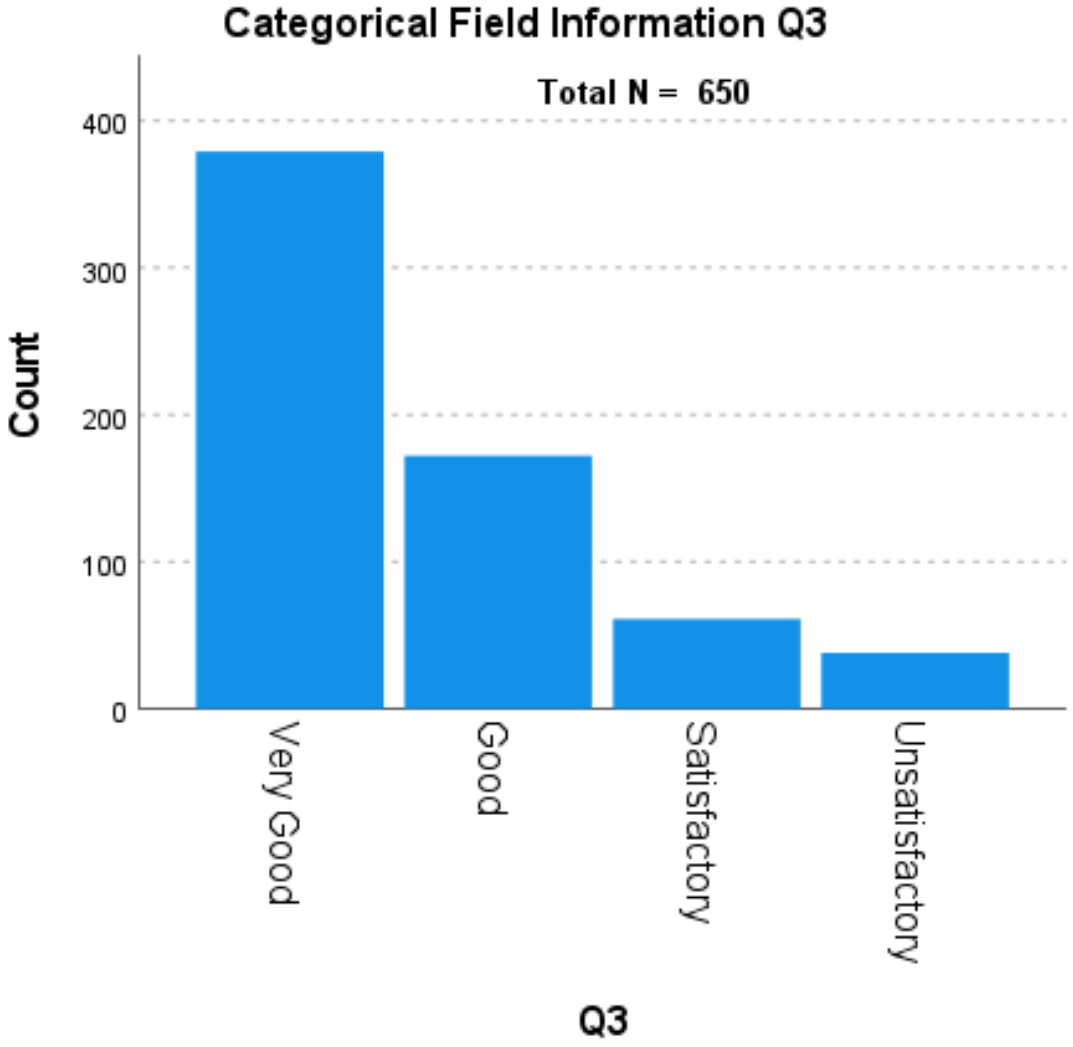
Total N	650
Test Statistic	482.148[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

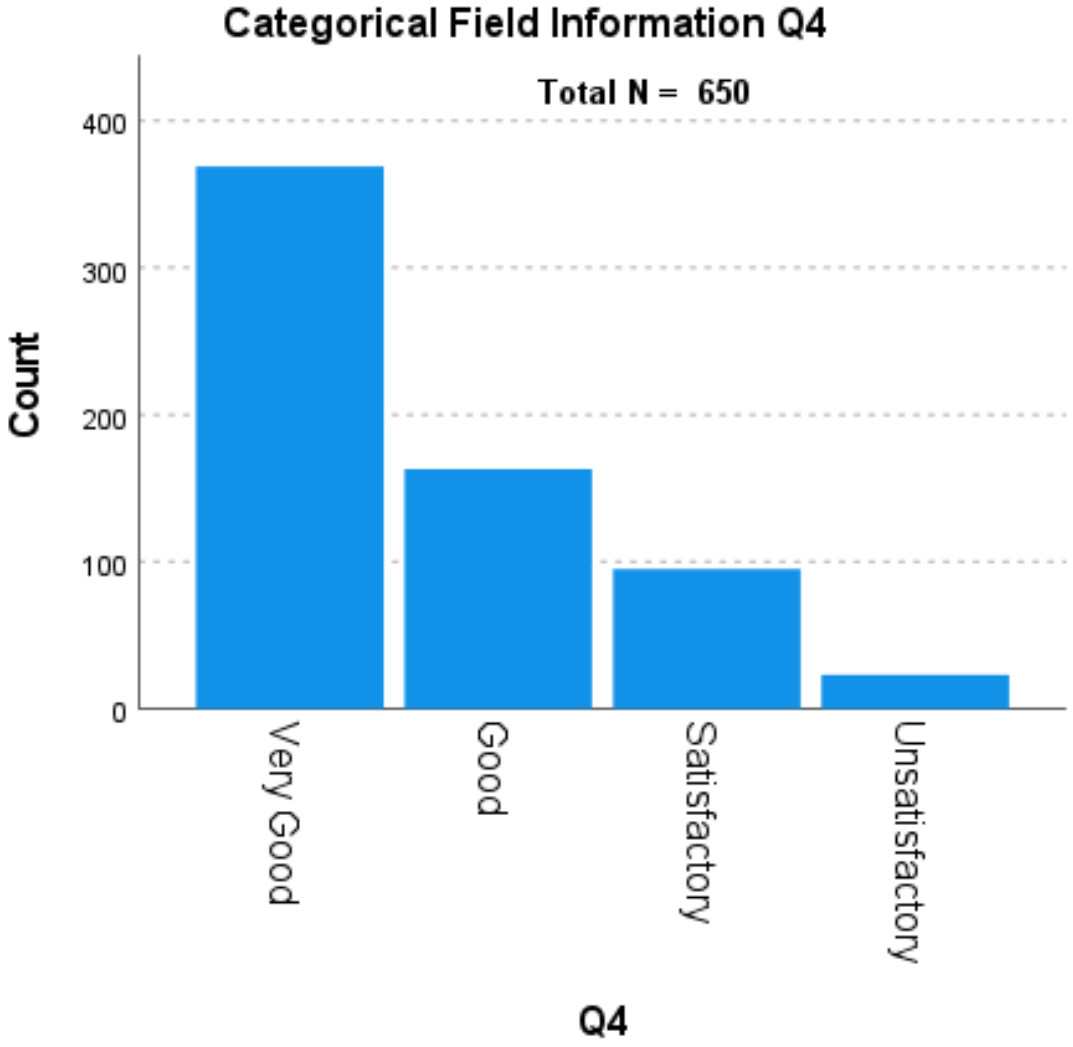
a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 162.500.

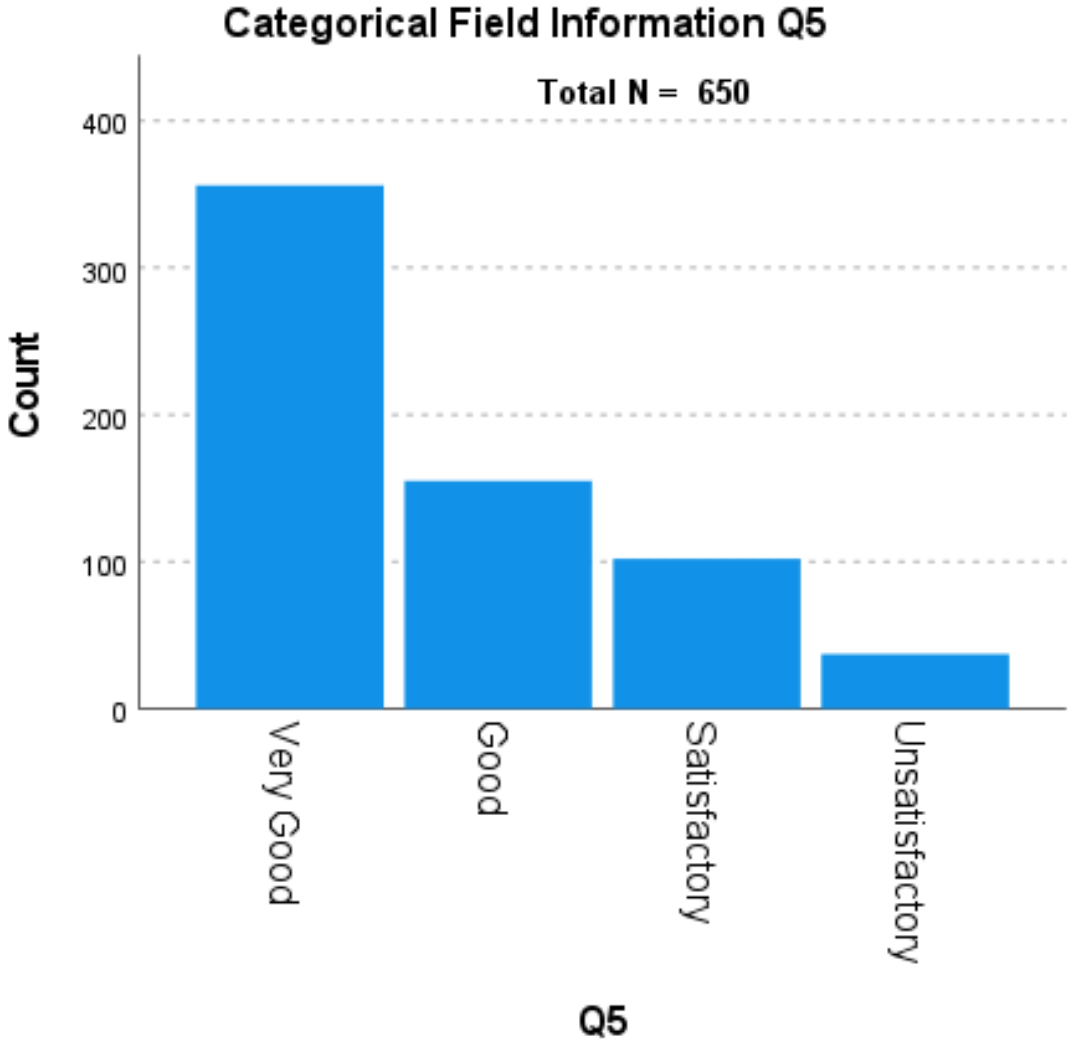

Frequency
Observed
Hypothesized
400
300
200
100
0
Frequency
Very Good
Good
Satisfactory
Unsatisfactory
Q7

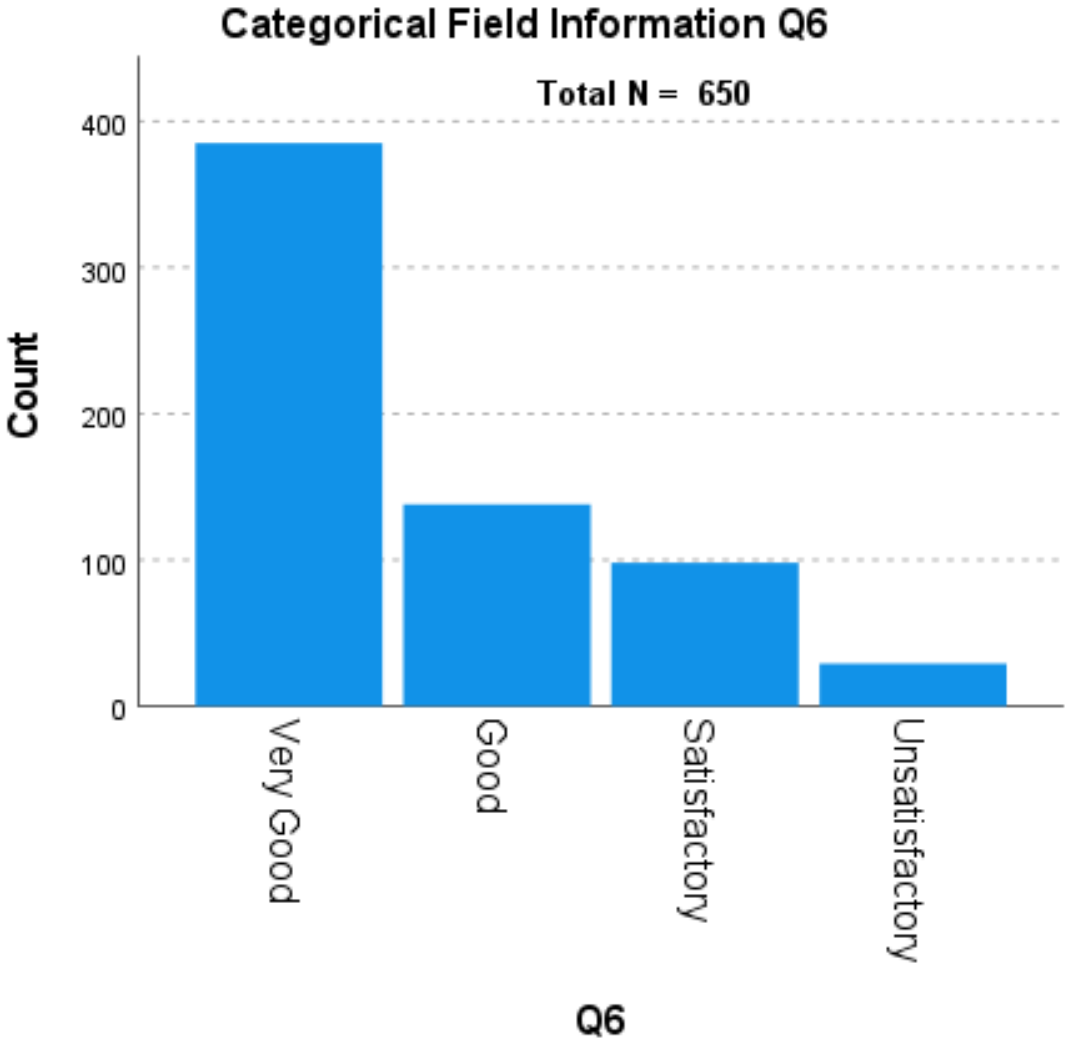

Categorical Field Information Q1
Total N = 650
Count
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q1

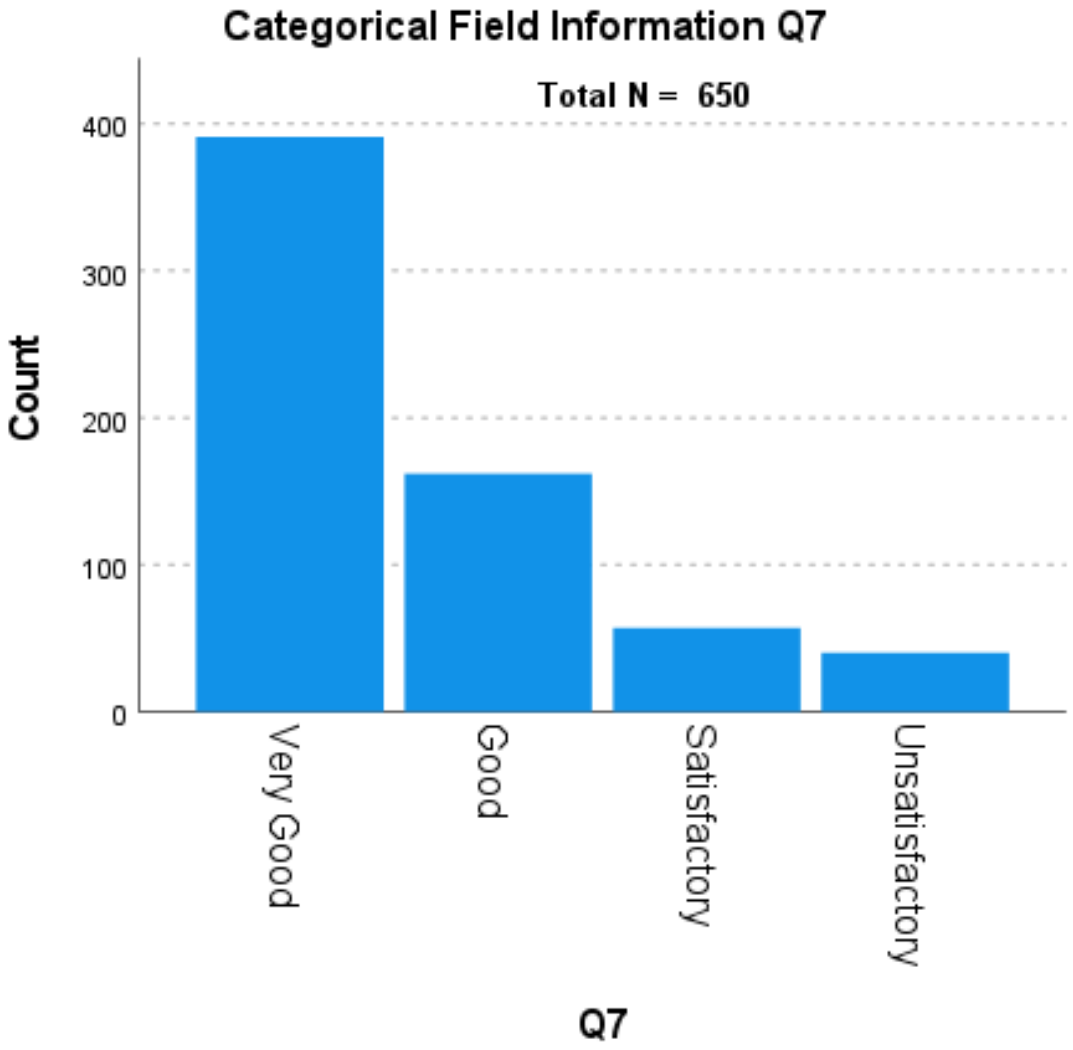

Categorical Field Information Q2
Total N = 650
Count
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q2


Categorical Field Information Q3
Total N = 650
Count
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q3


Categorical Field Information Q4
Total N = 650
Count
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q4


Categorical Field Information Q5
Total N = 650
Count
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q5


Categorical Field Information Q6
Total N = 650
Count
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q6



T-Test

Notes

Output Created	29-DEC-2021 17:03:35
Comments	

Input	Data	C:\Users\pkaml\Documents\Student Feedback Data 2017-18.sav
	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	650
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	00:00:00.02

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Q1	650	1.7815	.97817	.03837
Q2	650	1.7185	.94002	.03687
Q3	650	1.6277	.87940	.03449
Q4	650	1.6492	.85643	.03359
Q5	650	1.7231	.92571	.03631
Q6	650	1.6477	.89367	.03505
Q7	650	1.6092	.88538	.03473

One-Sample Test

Test Value = 0

	t	df	Significance One-Sided p	Significance Two-Sided p	Mean Difference	95% Confidence Interval the Difference Lower	Upper
Q1	46.434	649	<.001	<.001	1.78154	1.7062	1.8
Q2	46.608	649	<.001	<.001	1.71846	1.6461	1.7
Q3	47.189	649	<.001	<.001	1.62769	1.5600	1.6
Q4	49.096	649	<.001	<.001	1.64923	1.5833	1.7
Q5	47.455	649	<.001	<.001	1.72308	1.6518	1.7
Q6	47.006	649	<.001	<.001	1.64769	1.5789	1.7
Q7	46.339	649	<.001	<.001	1.60923	1.5410	1.6

One-Sample Effect Sizes

		Standardizer[a]	Point Estimate	95% Confidence Interval Lower	Upper
Q1	Cohen's d	.97817	1.821	1.696	1.946
	Hedges' correction	.97931	1.819	1.694	1.944
Q2	Cohen's d	.94002	1.828	1.702	1.954
	Hedges' correction	.94111	1.826	1.700	1.951
Q3	Cohen's d	.87940	1.851	1.724	1.977
	Hedges' correction	.88042	1.849	1.722	1.975
Q4	Cohen's d	.85643	1.926	1.795	2.055
	Hedges' correction	.85742	1.923	1.793	2.053
Q5	Cohen's d	.92571	1.861	1.734	1.988
	Hedges' correction	.92678	1.859	1.732	1.986
Q6	Cohen's d	.89367	1.844	1.717	1.970
	Hedges' correction	.89470	1.842	1.715	1.968
Q7	Cohen's d	.88538	1.818	1.692	1.943
	Hedges' correction	.88640	1.815	1.690	1.940

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.