

Distribution of cholesterol: NHANES 1999-2002

Gender=Male AGE GROUP=20-39

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)

Moments

N	36574453	Sum Weights	36574453
Mean	192.230325	Sum Observations	7030718999
Std Deviation	41.4990234	Variance	1722.16894
Skewness	0.84879513	Kurtosis	2.4165963
Uncorrected SS	1.4145E12	Corrected SS	6.29874E10
Coeff Variation	21.5881772	Std Error Mean	0.00686197

Basic Statistical Measures

Location

Variability

Mean	192.2303	Std Deviation	41.49902
Median	189.0000	Variance	1722
Mode	179.0000	Range	364.00000
		Interquartile Range	52.00000

Tests for Location: Mu0=0

Test	-Statistic-	-----p Value-----	
Student's t	t 28013.86	Pr > t	<.0001
Sign	M 18287227	Pr >= M	<.0001
Signed Rank	S 3.344E14	Pr >= S	<.0001

Tests for Normality

Test	--Statistic---		-----p Value-----	
Kolmogorov-Smirnov	D	0.052904	Pr > D	<0.0100
Cramer-von Mises	W-Sq	27688.99	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	175606.6	Pr > A-Sq	<0.0050

Quantiles (Definition 5)

Quantile	Estimate
100% Max	436
99%	320

95% 263
 90% 243
 75% Q3 215

Distribution of cholesterol: NHANES 1999-2002

Gender=Male AGE GROUP=20-39

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)

Quantiles (Definition 5)

Quantile	Estimate
50% Median	189
25% Q1	163
10%	145
5%	135
1%	109
0% Min	72

Extreme Observations

-----Lowest-----			-----Highest-----		
Value	Freq	Obs	Value	Freq	Obs
72	18724	5413	351	35631	6448
80	39564	6128	361	37706	5665
85	12176	6635	403	14032	6187
86	13706	5977	424	33704	6186
87	19885	6610	436	19853	6329

Missing Values

Missing Value	Count	-----Percent Of-----	
		All Obs	Missing Obs
.	2476447	6.34	100.00

Distribution of cholesterol: NHANES 1999-2002

Gender=Male AGE GROUP=20-39

Gender=Male AGE GROUP=40-59

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)

Moments

N	35003990	Sum Weights	35003990
Mean	213.23375	Sum Observations	7464032070
Std Deviation	47.792879	Variance	2284.15928
Skewness	2.86738484	Kurtosis	24.9339695
Uncorrected SS	1.67154E12	Corrected SS	7.99547E10
Coeff Variation	22.4133745	Std Error Mean	0.00807801

Basic Statistical Measures

Location

Variability

Mean	213.2338	Std Deviation	47.79288
Median	209.0000	Variance	2284
Mode	218.0000	Range	647.00000
		Interquartile Range	52.00000

Tests for Location: Mu0=0

Test	-Statistic-	-----p Value-----
Student's t	t 26396.81	Pr > t <.0001
Sign	M 17501995	Pr >= M <.0001
Signed Rank	S 3.063E14	Pr >= S <.0001

Tests for Normality

Test	--Statistic--	-----p Value-----
Kolmogorov-Smirnov	D 0.071203	Pr > D <0.0100
Cramer-von Mises	W-Sq 59751.08	Pr > W-Sq <0.0050
Anderson-Darling	A-Sq 394665.4	Pr > A-Sq <0.0050

Quantiles (Definition 5)

Quantile	Estimate
100% Max	727
99%	333
95%	284
90%	265
75% Q3	236

Distribution of cholesterol: NHANES 1999-2002

Gender=Male AGE GROUP=40-59

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)

Quantiles (Definition 5)

Quantile	Estimate
50% Median	209
25% Q1	184
10%	162
5%	151
1%	128
0% Min	80

Extreme Observations

-----Lowest-----			-----Highest-----		
Value	Freq	Obs	Value	Freq	Obs
80	7998	7912	401	37103	7538
96	11013	6723	407	32477	7769
103	35594	7730	411	46539	7848
105	11622	6889	606	32866	7557
110	13039	7070	727	55398	7831

Missing Values

Missing Value	Count	-----Percent Of-----	
		All Obs	Missing Obs
.	1425109	3.91	100.00

Distribution of cholesterol: NHANES 1999-2002

Gender=Male AGE GROUP=40-59

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)

Skewness	1.56504262	Kurtosis	13.5956721
Uncorrected SS	7.60698E11	Corrected SS	2.89065E10
Coeff Variation	19.8748769	Std Error Mean	0.00940824

Basic Statistical Measures

Location		Variability	
Mean	201.2327	Std Deviation	39.99476
Median	200.0000	Variance	1600
Mode	203.0000	Range	542.00000
		Interquartile Range	45.00000

Tests for Location: Mu0=0

Test	-Statistic-	-----p Value-----	
Student's t	t 21389	Pr > t	<.0001
Sign	M 9035658	Pr >= M	<.0001
Signed Rank	S 8.164E13	Pr >= S	<.0001

Tests for Normality

Test	--Statistic--	-----p Value-----	
Kolmogorov-Smirnov	D 0.052518	Pr > D	<0.0100
Cramer-von Mises	W-Sq 10471.61	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq 65597.37	Pr > A-Sq	<0.0050

Quantiles (Definition 5)

Quantile	Estimate
100% Max	617
99%	295
95%	267
90%	251
75% Q3	222

Distribution of cholesterol: NHANES 1999-2002

Gender=Male AGE GROUP=60+

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)

Quantiles (Definition 5)

Quantile	Estimate
50% Median	200
25% Q1	177
10%	154
5%	142
1%	119
0% Min	75

Extreme Observations

-----Lowest-----			-----Highest-----		
Value	Freq	Obs	Value	Freq	Obs
75	4193	9560	330	29767	8516
94	3706	9099	346	15473	9282
95	5011	9023	388	7114	9345
101	13650	9635	480	895	8792
103	28782	9253	617	21326	8894

Missing Values

Missing Value	Count	-----Percent Of-----	
		All Obs	Missing Obs
.	1216538	6.31	100.00

Distribution of cholesterol: NHANES 1999-2002

Gender=Male AGE GROUP=60+

The UNIVARIATE Procedure

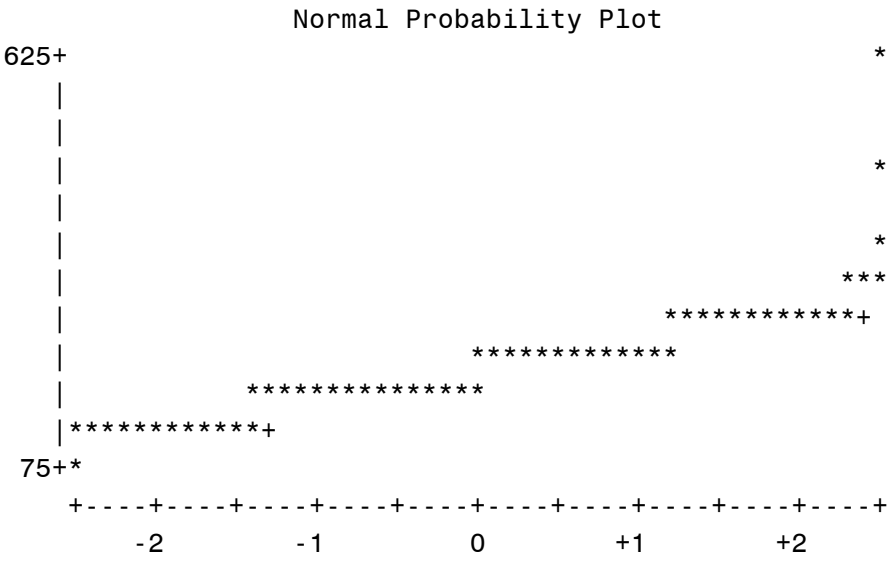
Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)

Histogram	#	Boxplot
625+*	21326	*
.		
.		
.*	895	*
.		
.*	7114	*
.*	141187	0
.*****	1.75E6	0
.*****	7.23E6	+---+---+
.*****	7.53E6	+-----+
.*****	1.37E6	0

-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----

* may represent up to 156829 counts



Distribution of cholesterol: NHANES 1999-2002

Gender=Female AGE GROUP=20-39

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)

Moments

N	37636359	Sum Weights	37636359
Mean	188.598416	Sum Observations	7098157708
Std Deviation	37.5893377	Variance	1412.95831
Skewness	0.72025516	Kurtosis	1.14036603
Uncorrected SS	1.39188E12	Corrected SS	5.31786E10
Coeff Variation	19.9308872	Std Error Mean	0.00612718

Basic Statistical Measures

Location

Variability

Mean	188.5984	Std Deviation	37.58934
Median	185.0000	Variance	1413
Mode	170.0000	Range	378.00000
		Interquartile Range	46.00000

Tests for Location: Mu0=0

Test	-Statistic-	-----p Value-----
Student's t	t 30780.61	Pr > t <.0001
Sign	M 18818180	Pr >= M <.0001
Signed Rank	S 3.541E14	Pr >= S <.0001

Tests for Normality

Test	--Statistic---	-----p Value-----
Kolmogorov-Smirnov	D 0.063241	Pr > D <0.0100
Cramer-von Mises	W-Sq 35268.31	Pr > W-Sq <0.0050
Anderson-Darling	A-Sq 211997	Pr > A-Sq <0.0050

Quantiles (Definition 5)

Quantile	Estimate
100% Max	475
99%	298
95%	259
90%	238
75% Q3	209

Distribution of cholesterol: NHANES 1999-2002

Gender=Female AGE GROUP=20-39

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)

Quantiles (Definition 5)

Quantile	Estimate
50% Median	185
25% Q1	163
10%	144
5%	134
1%	117
0% Min	97

Extreme Observations

-----Lowest-----			-----Highest-----		
Value	Freq	Obs	Value	Freq	Obs
97	13119	16490	380	769	15650

97	2728	15692	380	2542	16244
99	15284	15442	383	3260	14784
109	9153	16509	445	3583	15931
112	46141	15380	475	3462	15784

Missing Values

Missing Value	Count	Percent All Obs	Percent Missing Obs
.	2447614	6.11	100.00

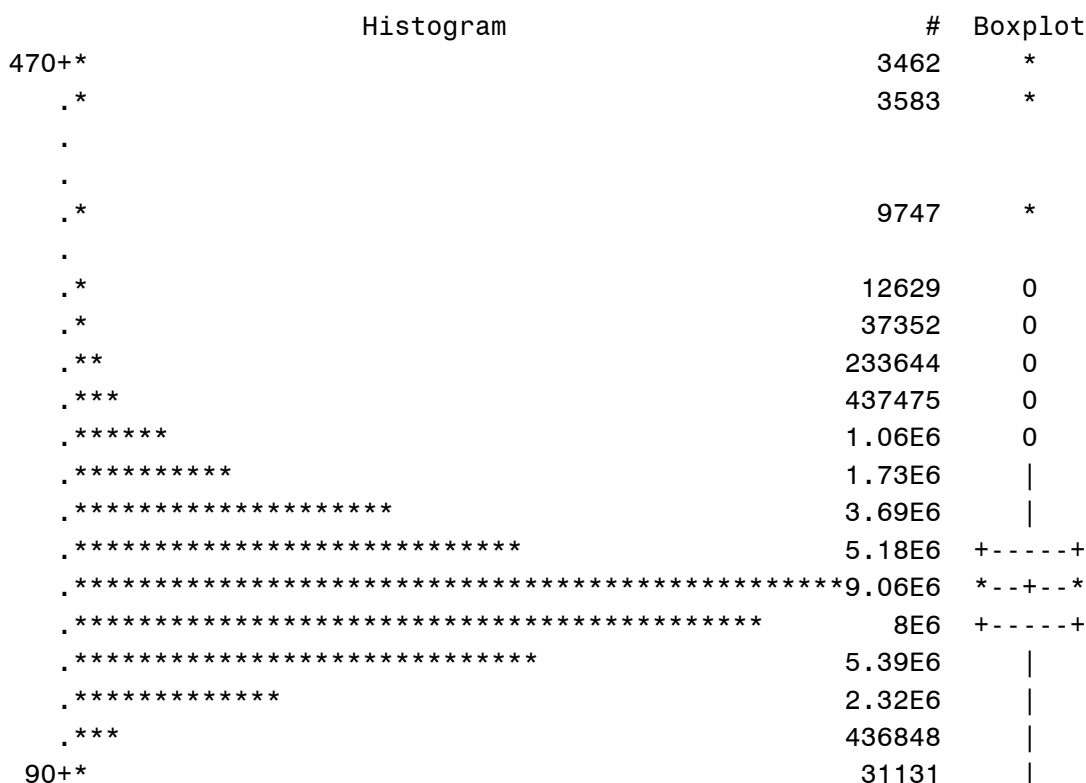
Distribution of cholesterol: NHANES 1999-2002

Gender=Female AGE GROUP=20-39

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)



* may represent up to 188675 counts

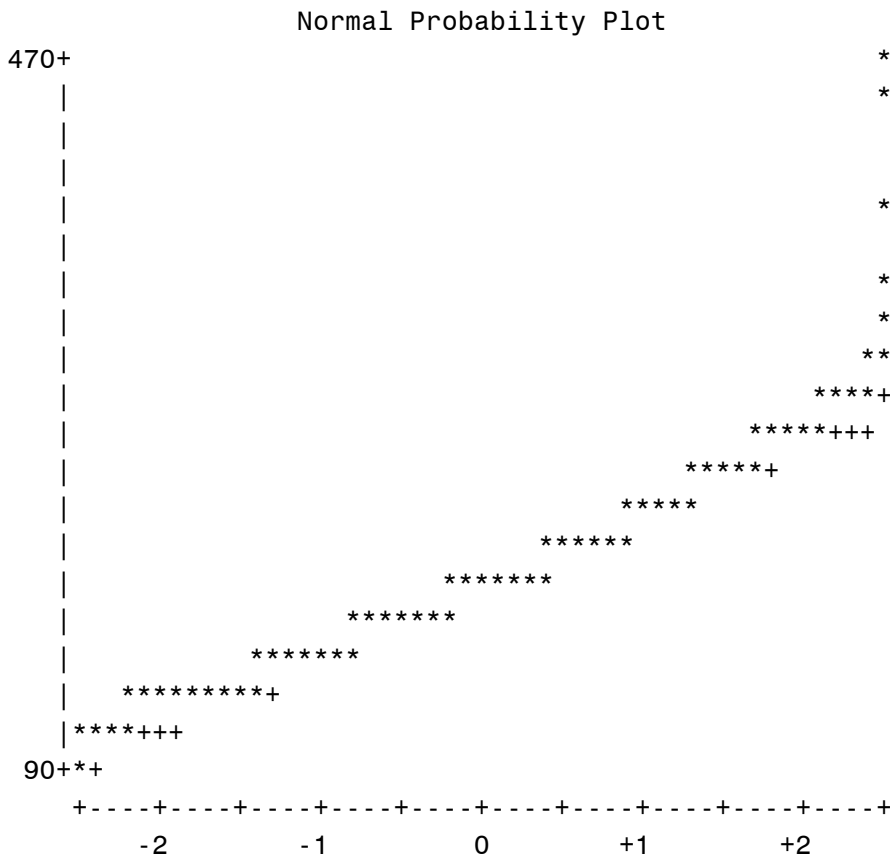
Distribution of cholesterol: NHANES 1999-2002

Gender=Female AGE GROUP=20-39

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)



Distribution of cholesterol: NHANES 1999-2002

Gender=Female AGE GROUP=40-59

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)

Moments

N	35779645	Sum Weights	35779645
Mean	208.933717	Sum Observations	7475574214
Std Deviation	37.2906848	Variance	1390.59517
Skewness	0.60634269	Kurtosis	0.8107173
Uncorrected SS	1.61165E12	Corrected SS	4.9755E10
Coeff Variation	17.8480934	Std Error Mean	0.00623422

Location

Variability

Mean	208.9337	Std Deviation	37.29068
Median	205.0000	Variance	1391
Mode	211.0000	Range	302.00000
		Interquartile Range	49.00000

Tests for Location: Mu0=0

Test	-Statistic-	-----p Value-----	
Student's t	t 33513.99	Pr > t	<.0001
Sign	M 17889823	Pr >= M	<.0001
Signed Rank	S 3.2E14	Pr >= S	<.0001

Tests for Normality

Test	--Statistic--	-----p Value-----	
Kolmogorov-Smirnov	D 0.049203	Pr > D	<0.0100
Cramer-von Mises	W-Sq 21802.1	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq 135064.5	Pr > A-Sq	<0.0050

Quantiles (Definition 5)

Quantile	Estimate
100% Max	419
99%	312
95%	277
90%	255
75% Q3	232

Distribution of cholesterol: NHANES 1999-2002

Gender=Female AGE GROUP=40-59

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)

Quantiles (Definition 5)

Quantile	Estimate
50% Median	205
25% Q1	183
10%	164
5%	154

1% 134
 0% Min 117

Extreme Observations

-----Lowest-----			-----Highest-----		
Value	Freq	Obs	Value	Freq	Obs
117	4207	17188	346	23368	17414
118	21811	17286	350	45419	17907
119	13514	16849	354	47279	17863
124	12742	17113	380	17100	16844
126	30333	16942	419	6378	17077

Missing Values

Missing Value	Count	-----Percent Of-----	
		All Obs	Missing Obs
.	2572722	6.71	100.00

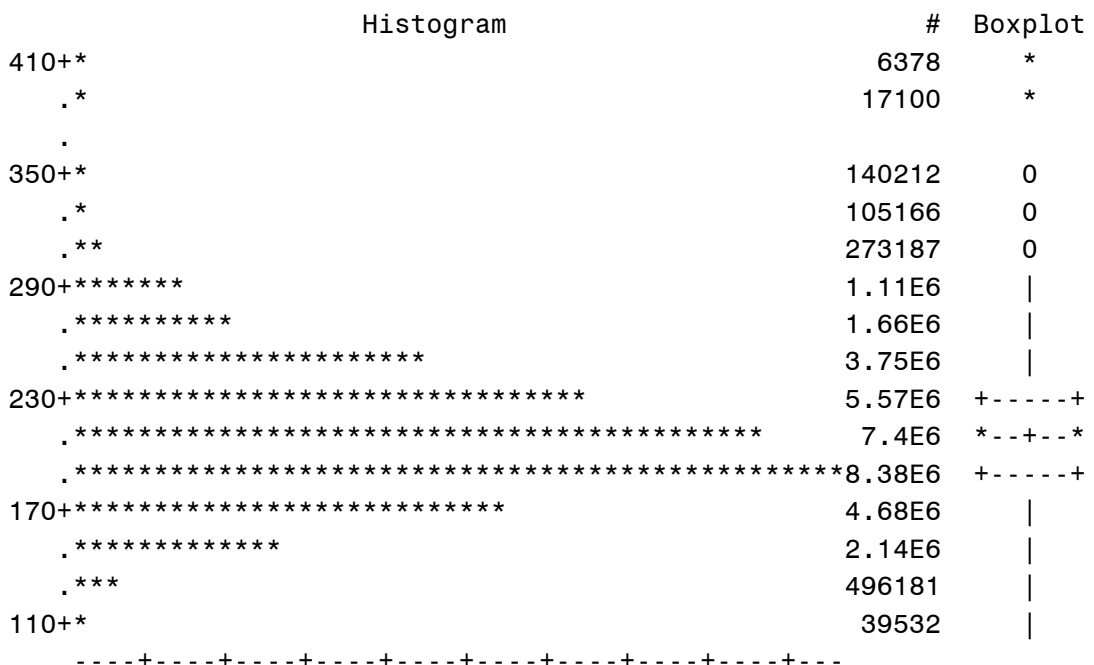
Distribution of cholesterol: NHANES 1999-2002

Gender=Female AGE GROUP=40-59

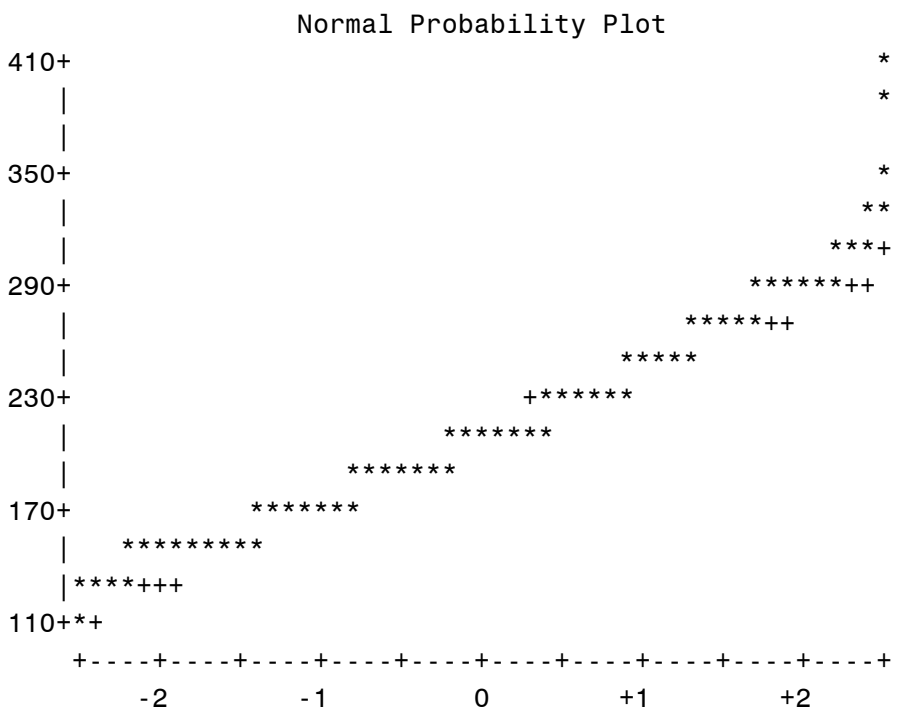
The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)



* may represent up to 174647 counts



Distribution of cholesterol: NHANES 1999-2002

Gender=Female AGE GROUP=60+

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)

Moments

N	23492952	Sum Weights	23492952
Mean	221.050896	Sum Observations	5193138091
Std Deviation	39.4240204	Variance	1554.25339
Skewness	0.42873884	Kurtosis	0.79521098
Uncorrected SS	1.18446E12	Corrected SS	3.6514E10
Coeff Variation	17.8348159	Std Error Mean	0.00813377

Basic Statistical Measures

Location		Variability	
Mean	221.0509	Std Deviation	39.42402
Median	219.0000	Variance	1554
Mode	233.0000	Range	320.00000
		Interquartile Range	51.00000

Tests for Location: Mu0=0

Test	-Statistic-	-----p Value-----
Student's t	t 27176.92	Pr > t <.0001
Sign	M 11746476	Pr >= M <.0001
Signed Rank	S 1.38E14	Pr >= S <.0001

Tests for Normality

Test	--Statistic---	-----p Value-----
Kolmogorov-Smirnov	D 0.037734	Pr > D <0.0100
Cramer-von Mises	W-Sq 8203.314	Pr > W-Sq <0.0050
Anderson-Darling	A-Sq 51216.39	Pr > A-Sq <0.0050

Quantiles (Definition 5)

Quantile	Estimate
100% Max	396
99%	328
95%	292
90%	273
75% Q3	245

Distribution of cholesterol: NHANES 1999-2002

Gender=Female AGE GROUP=60+

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Freq: WTMEC4YR (Full Sample 4 Year MEC Exam Weight)

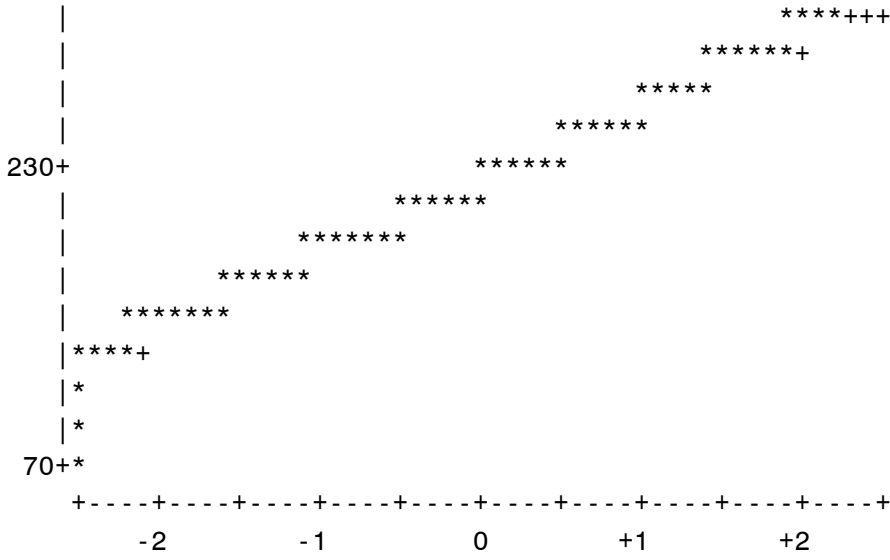
Quantiles (Definition 5)

Quantile	Estimate
50% Median	219
25% Q1	194
10%	174
5%	158
1%	138
0% Min	76

Extreme Observations

-----Lowest----- -----Highest-----

Value	Freq	Obs	Value	Freq	Obs
-------	------	-----	-------	------	-----

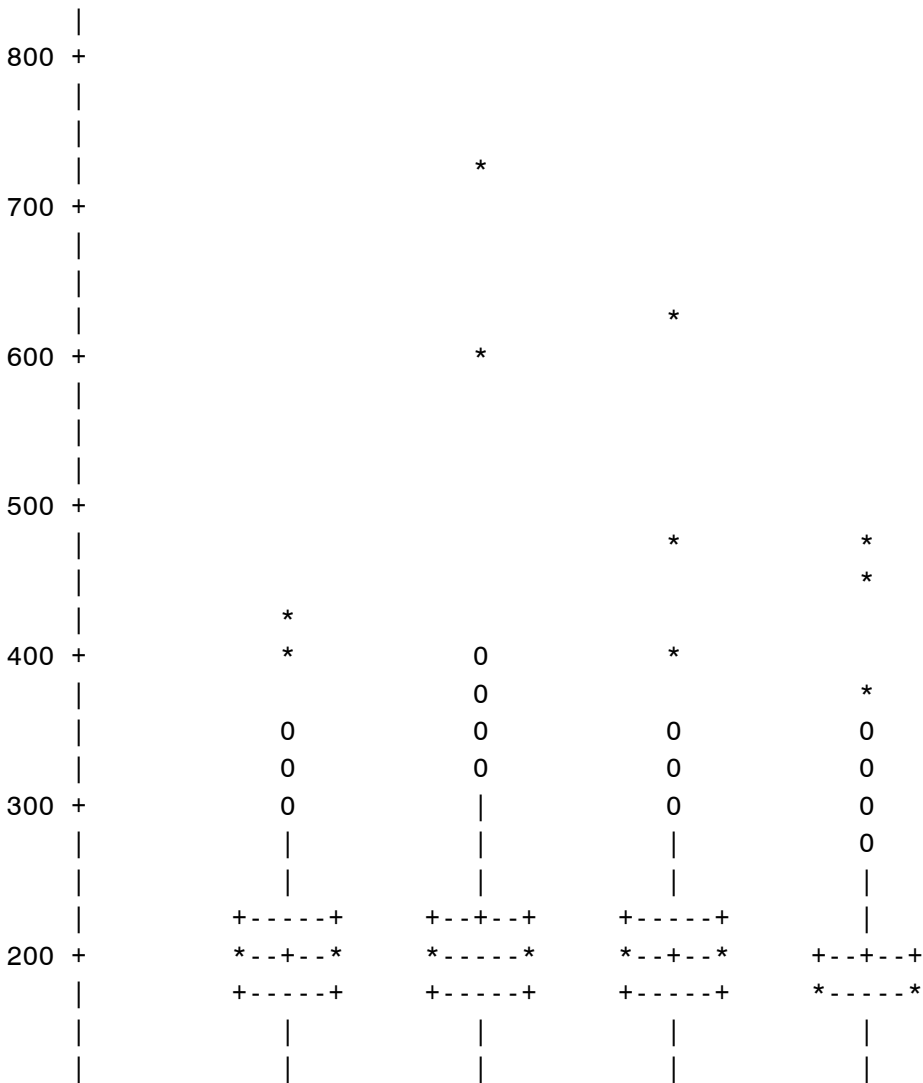


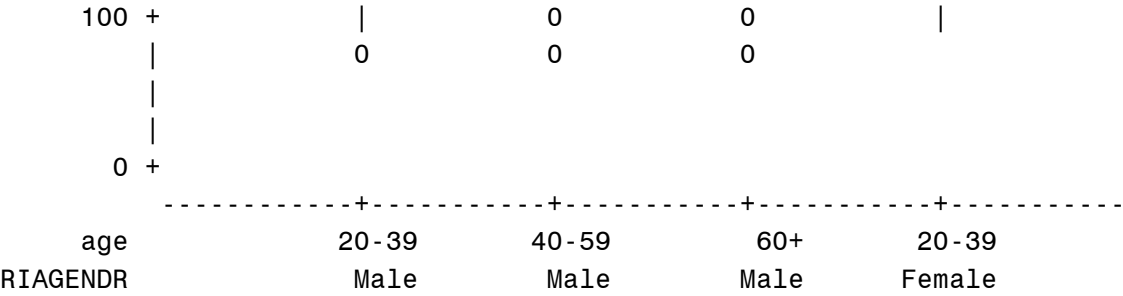
Distribution of cholesterol: NHANES 1999-2002

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Schematic Plots





Distribution of cholesterol: NHANES 1999-2002

The UNIVARIATE Procedure

Variable: LBXTC (Total cholesterol (mg/dL))

Schematic Plots

