

Simple data listing (first 5 obs)

SUBJID	ldl	hdl	trigs	totchol	ldl5cat	hdl3cat	trigs4cat	totChol3cat
J521969
J558060
J100180	160.00	71.00	69.00	245.00	High	High	Normal	Poor Health
J100537	124.00	52.00	50.00	186.00	Near/Above Optimal	Normal	Normal	Ideal Health
J100757	141.00	73.00	129.00	240.00	Borderline High	High	Normal	Poor Health

Univariate summary stats: categorical

The FREQ Procedure

Fasting LDL Categorization				
ldl5cat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	534	10.06	534	10.06
Optimal	1111	20.94	1645	31.00
Near/Above Optimal	1552	29.25	3197	60.25
Borderline High	1281	24.14	4478	84.40
High	590	11.12	5068	95.51
Very High	238	4.49	5306	100.00

Fasting HDL Categorization				
hdl3cat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	492	9.27	492	9.27
Low	1790	33.74	2282	43.01
Normal	1795	33.83	4077	76.84
High	1229	23.16	5306	100.00

Fasting Triglyceride Categorization				
trigs4cat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	492	9.27	492	9.27
Normal	4030	75.95	4522	85.22
Borderline High	468	8.82	4990	94.04
High	296	5.58	5286	99.62
Very High	20	0.38	5306	100.00

AHA Total Cholesterol Categorization				
totChol3cat	Frequency	Percent	Cumulative Frequency	Cumulative Percent
.	520	9.80	520	9.80
Poor Health	706	13.31	1226	23.11
Intermediate Health	1922	36.22	3148	59.33
Ideal Health	2158	40.67	5306	100.00

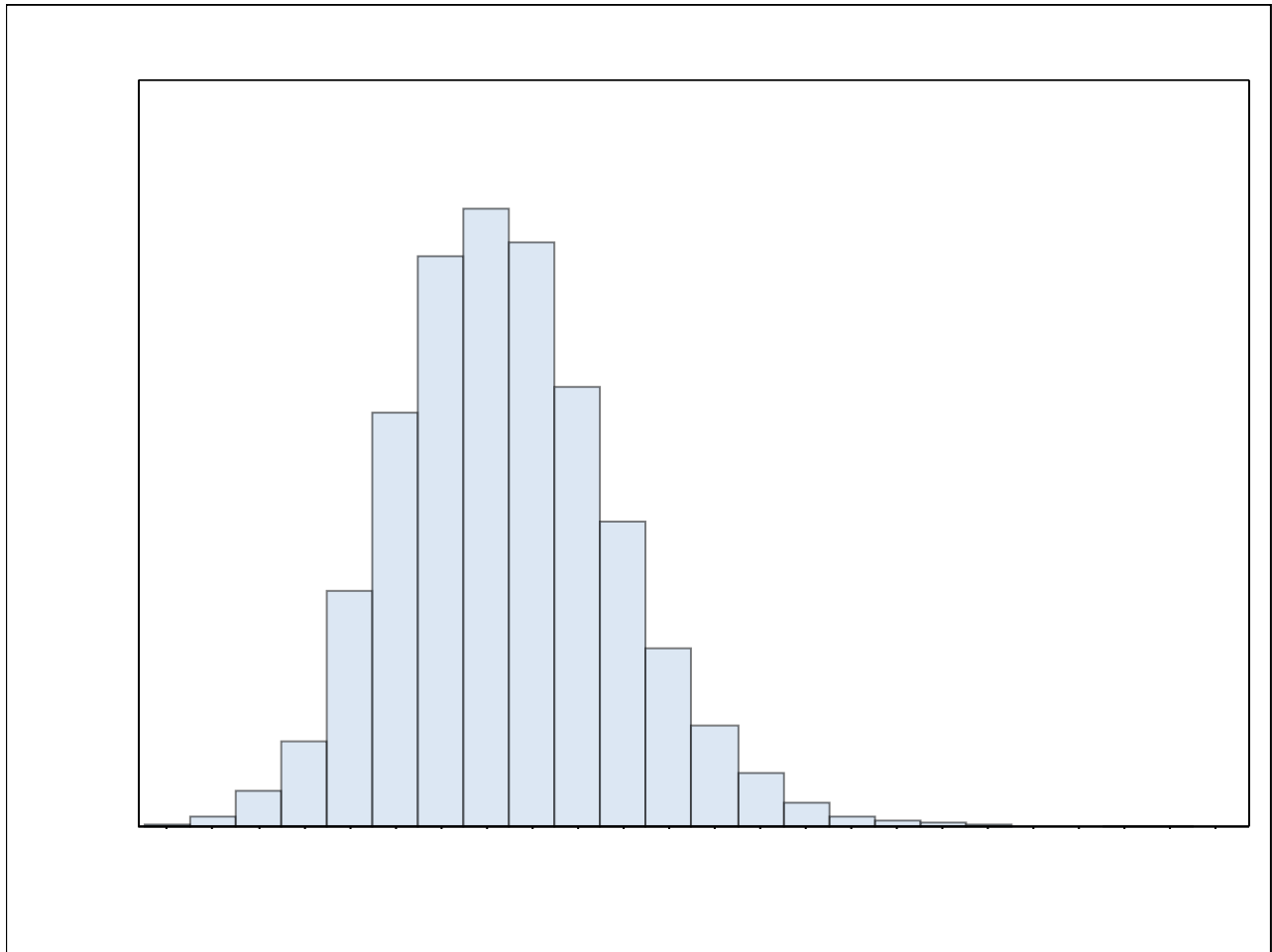
Univariate summary stats: continuous

The MEANS Procedure

Variable	Label	N	N Miss	Mean	Std Dev	Minimum	Maximum
ldl	Fasting LDL Cholesterol Level (mg/dL)	4772	534	126.65	36.61	18.00	361.00
hdl	Fasting HDL Cholesterol Level (mg/dL)	4814	492	51.77	14.64	16.00	143.00
trigs	Fasting Triglyceride Level (mg/dL)	4814	492	106.40	78.45	16.00	2041.00
totchol	Fasting Total Cholesterol (mg/dL)	4814	492	199.32	40.11	66.00	470.00

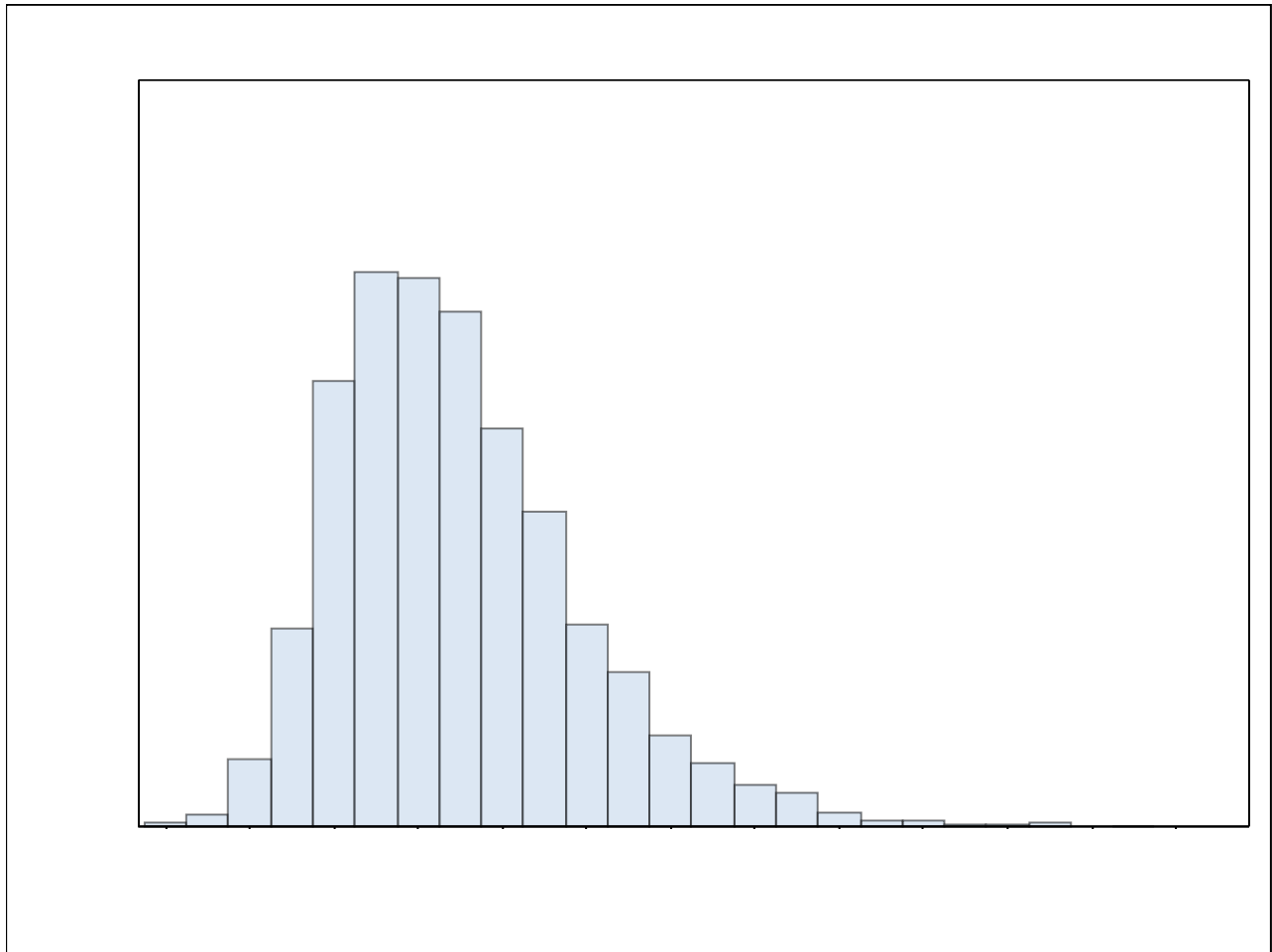
Univariate summary stats: continuous

The UNIVARIATE Procedure



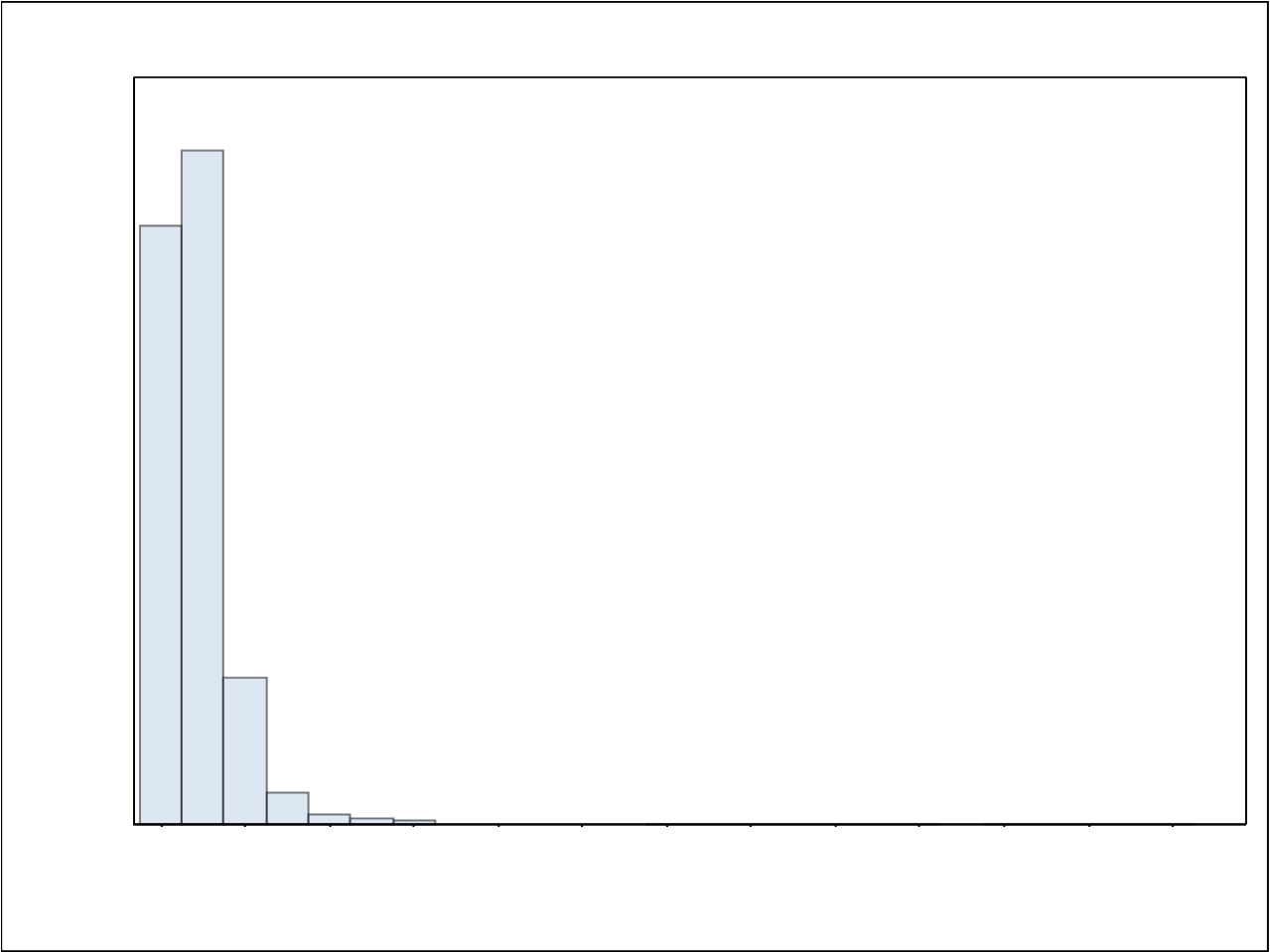
Univariate summary stats: continuous

The UNIVARIATE Procedure



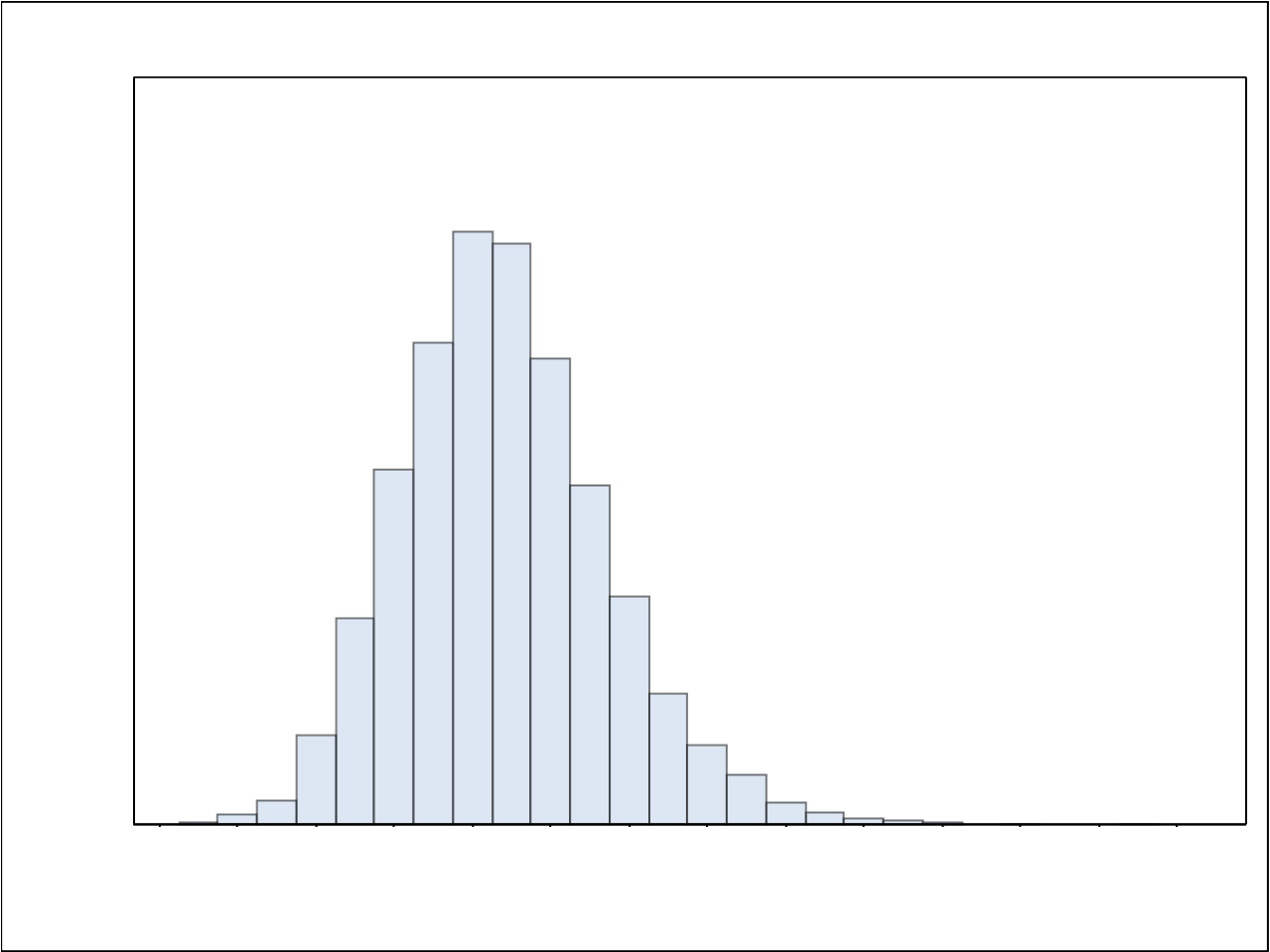
Univariate summary stats: continuous

The UNIVARIATE Procedure



Univariate summary stats: continuous

The UNIVARIATE Procedure



The UNIVARIATE Procedure
Variable: trigs (Fasting Triglyceride Level (mg/dL))

Moments			
N	4814	Sum Weights	4814
Mean	106.396552	Sum Observations	512193
Std Deviation	78.4519026	Variance	6154.70101
Skewness	7.83458048	Kurtosis	136.517678
Uncorrected SS	84118145	Corrected SS	29622576
Coeff Variation	73.7353808	Std Error Mean	1.13070793

Basic Statistical Measures			
Location		Variability	
Mean	106.3966	Std Deviation	78.45190
Median	90.0000	Variance	6155
Mode	74.0000	Range	2025
		Interquartile Range	61.00000

Tests for Location: Mu0=0				
Test		Statistic		p Value
Student's t	t	94.09729	Pr > t	<.0001
Sign	M	2407	Pr >= M	<.0001
Signed Rank	S	5794853	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2041
99%	380
95%	217
90%	174
75% Q3	126
50% Median	90
25% Q1	65
10%	48
5%	41
1%	30
0% Min	16

The UNIVARIATE Procedure
Variable: trigs (Fasting Triglyceride Level
(mg/dL))

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
16	1439	872	4002
17	546	908	3687
18	3424	1569	1179
18	2198	1570	2726
19	3262	2041	1989

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	492	9.27	100.00

Check fasting hours

The MEANS Procedure

Analysis Variable : FastHours Fasting Time (in hours)				
N	Mean	Std Dev	Minimum	Maximum
4815	13.5177605	2.3202362	8.0000000	46.2000000

LDL categories check

The MEANS Procedure

Analysis Variable : ldl Fasting LDL Cholesterol Level (mg/dL)						
Fasting LDL Categorization	N Obs	N	Mean	Std Dev	Minimum	Maximum
Optimal	1111	1111	81.58	14.77	18.00	99.00
Near/Above Optimal	1552	1552	115.07	8.60	100.00	129.00
Borderline High	1281	1281	142.98	8.41	130.00	159.00
High	590	590	171.89	8.54	160.00	189.00
Very High	238	238	212.45	24.16	190.00	361.00

HDL categories check

The MEANS Procedure

Analysis Variable : hdl Fasting HDL Cholesterol Level (mg/dL)							
Male Indicator	Fasting HDL Categorization	N Obs	N	Mean	Std Dev	Minimum	Maximum
Female	Low	1213	1213	41.96	5.37	18.00	49.00
	Normal	843	843	54.26	2.83	50.00	59.00
	High	1011	1011	71.58	11.40	60.00	143.00
Male	Low	577	577	34.08	4.18	16.00	39.00
	Normal	952	952	47.48	5.44	40.00	59.00
	High	218	218	70.50	11.18	60.00	139.00

Trigs categories check

The MEANS Procedure

Analysis Variable : trigs Fasting Triglyceride Level (mg/dL)						
Fasting Triglyceride Categorization	N Obs	N	Mean	Std Dev	Minimum	Maximum
Normal	4030	4030	83.71	29.76	16.00	149.00
Borderline High	468	468	169.95	13.66	150.00	199.00
High	296	296	268.90	69.49	200.00	497.00
Very High	20	20	786.35	430.03	505.00	2041.00

Total Chol categories check

The MEANS Procedure

Analysis Variable : totchol Fasting Total Cholesterol (mg/dL)						
AHA Total Cholesterol Categorization	N Obs	N	Mean	Std Dev	Minimum	Maximum
Poor Health	706	706	266.69	27.55	240.00	470.00
Intermediate Health	1922	1922	206.92	24.58	95.00	239.00
Ideal Health	2158	2158	170.86	20.96	66.00	199.00

Total Chol categories check

The FREQ Procedure

Table of totChol3cat by hdl3cat					
totChol3cat(AHA Total Cholesterol Categorization)	hdl3cat(Fasting HDL Categorization)				
Frequency Percent Row Pct Col Pct	.	Low	Normal	High	Total
.	491 9.25 94.42 99.80	14 0.26 2.69 0.78	9 0.17 1.73 0.50	6 0.11 1.15 0.49	520 9.80
Poor Health	0 0.00 0.00 0.00	209 3.94 29.60 11.68	265 4.99 37.54 14.76	232 4.37 32.86 18.88	706 13.31
Intermediate Health	0 0.00 0.00 0.00	687 12.95 35.74 38.38	691 13.02 35.95 38.50	544 10.25 28.30 44.26	1922 36.22
Ideal Health	1 0.02 0.05 0.20	880 16.58 40.78 49.16	830 15.64 38.46 46.24	447 8.42 20.71 36.37	2158 40.67
Total	492 9.27	1790 33.74	1795 33.83	1229 23.16	5306 100.00

Total Chol categories check

The FREQ Procedure

Table of totChol3cat by ldl5cat							
totChol3cat(AHA Total Cholesterol Categorization)	ldl5cat(Fasting LDL Categorization)						
Frequency Percent Row Pct Col Pct	.	Optimal	Near/Above Optimal	Borderline High	High	Very High	Total
.	491 9.25 94.42 91.95	10 0.19 1.92 0.90	16 0.30 3.08 1.03	3 0.06 0.58 0.23	0 0.00 0.00 0.00	0 0.00 0.00 0.00	520 9.80
Poor Health	18 0.34 2.55 3.37	0 0.00 0.00 0.00	8 0.15 1.13 0.52	97 1.83 13.74 7.57	348 6.56 49.29 58.98	235 4.43 33.29 98.74	706 13.31
Intermediate Health	20 0.38 1.04 3.75	225 4.24 11.71 20.25	467 8.80 24.30 30.09	965 18.19 50.21 75.33	242 4.56 12.59 41.02	3 0.06 0.16 1.26	1922 36.22
Ideal Health	5 0.09 0.23 0.94	876 16.51 40.59 78.85	1061 20.00 49.17 68.36	216 4.07 10.01 16.86	0 0.00 0.00 0.00	0 0.00 0.00 0.00	2158 40.67
Total	534 10.06	1111 20.94	1552 29.25	1281 24.14	590 11.12	238 4.49	5306 100.00

Total Chol categories check

The FREQ Procedure

Table of totChol3cat by trigs4cat						
totChol3cat(AHA Total Cholesterol Categorization)	trigs4cat(Fasting Triglyceride Categorization)					
Frequency Percent Row Pct Col Pct	.	Normal	Borderline High	High	Very High	Total
.	492 9.27 94.62 100.00	25 0.47 4.81 0.62	1 0.02 0.19 0.21	2 0.04 0.38 0.68	0 0.00 0.00 0.00	520 9.80
Poor Health	0 0.00 0.00 0.00	477 8.99 67.56 11.84	130 2.45 18.41 27.78	86 1.62 12.18 29.05	13 0.25 1.84 65.00	706 13.31
Intermediate Health	0 0.00 0.00 0.00	1589 29.95 82.67 39.43	202 3.81 10.51 43.16	126 2.37 6.56 42.57	5 0.09 0.26 25.00	1922 36.22
Ideal Health	0 0.00 0.00 0.00	1939 36.54 89.85 48.11	135 2.54 6.26 28.85	82 1.55 3.80 27.70	2 0.04 0.09 10.00	2158 40.67
Total	492 9.27	4030 75.95	468 8.82	296 5.58	20 0.38	5306 100.00

Total Chol categories check

The FREQ Procedure

Table of ldl5cat by hdl3cat					
ldl5cat(Fasting LDL Categorization)	hdl3cat(Fasting HDL Categorization)				
Frequency Percent Row Pct Col Pct	.	Low	Normal	High	Total
.	492 9.27 92.13 100.00	32 0.60 5.99 1.79	10 0.19 1.87 0.56	0 0.00 0.00 0.00	534 10.06
Optimal	0 0.00 0.00 0.00	376 7.09 33.84 21.01	380 7.16 34.20 21.17	355 6.69 31.95 28.89	1111 20.94
Near/Above Optimal	0 0.00 0.00 0.00	569 10.72 36.66 31.79	574 10.82 36.98 31.98	409 7.71 26.35 33.28	1552 29.25
Borderline High	0 0.00 0.00 0.00	477 8.99 37.24 26.65	502 9.46 39.19 27.97	302 5.69 23.58 24.57	1281 24.14
High	0 0.00 0.00 0.00	238 4.49 40.34 13.30	237 4.47 40.17 13.20	115 2.17 19.49 9.36	590 11.12
Very High	0 0.00 0.00 0.00	98 1.85 41.18 5.47	92 1.73 38.66 5.13	48 0.90 20.17 3.91	238 4.49
Total	492 9.27	1790 33.74	1795 33.83	1229 23.16	5306 100.00

Total Chol categories check

The FREQ Procedure

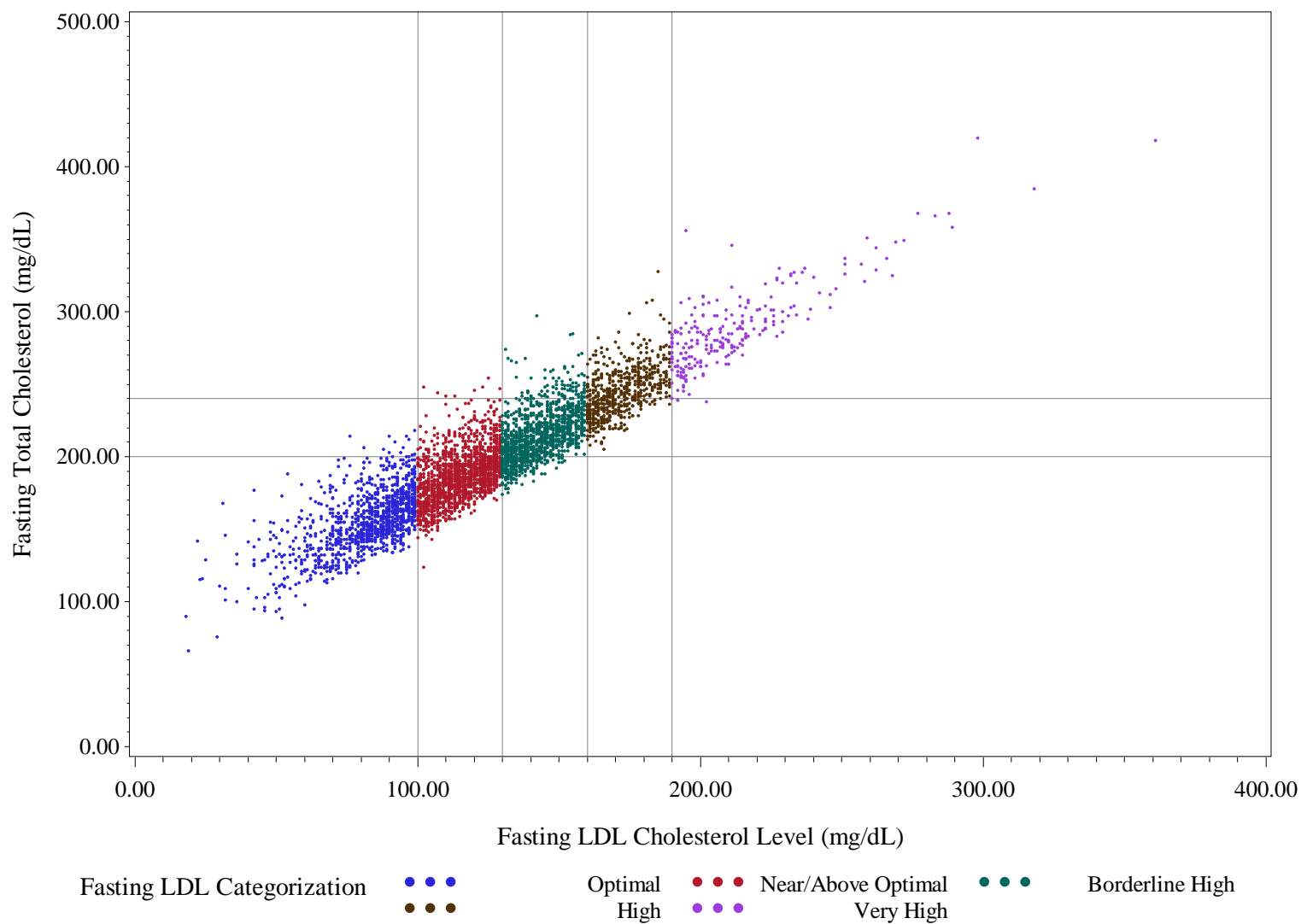
Table of trigs4cat by hdl3cat					
trigs4cat(Fasting Triglyceride Categorization)	hdl3cat(Fasting HDL Categorization)				
Frequency Percent Row Pct Col Pct	.	Low	Normal	High	Total
.	491 9.25 99.80 99.80	1 0.02 0.20 0.06	0 0.00 0.00 0.00	0 0.00 0.00 0.00	492 9.27
Normal	0 0.00 0.00 0.00	1309 24.67 32.48 73.13	1576 29.70 39.11 87.80	1145 21.58 28.41 93.17	4030 75.95
Borderline High	0 0.00 0.00 0.00	265 4.99 56.62 14.80	138 2.60 29.49 7.69	65 1.23 13.89 5.29	468 8.82
High	1 0.02 0.34 0.20	199 3.75 67.23 11.12	77 1.45 26.01 4.29	19 0.36 6.42 1.55	296 5.58
Very High	0 0.00 0.00 0.00	16 0.30 80.00 0.89	4 0.08 20.00 0.22	0 0.00 0.00 0.00	20 0.38
Total	492 9.27	1790 33.74	1795 33.83	1229 23.16	5306 100.00

Total Chol categories check

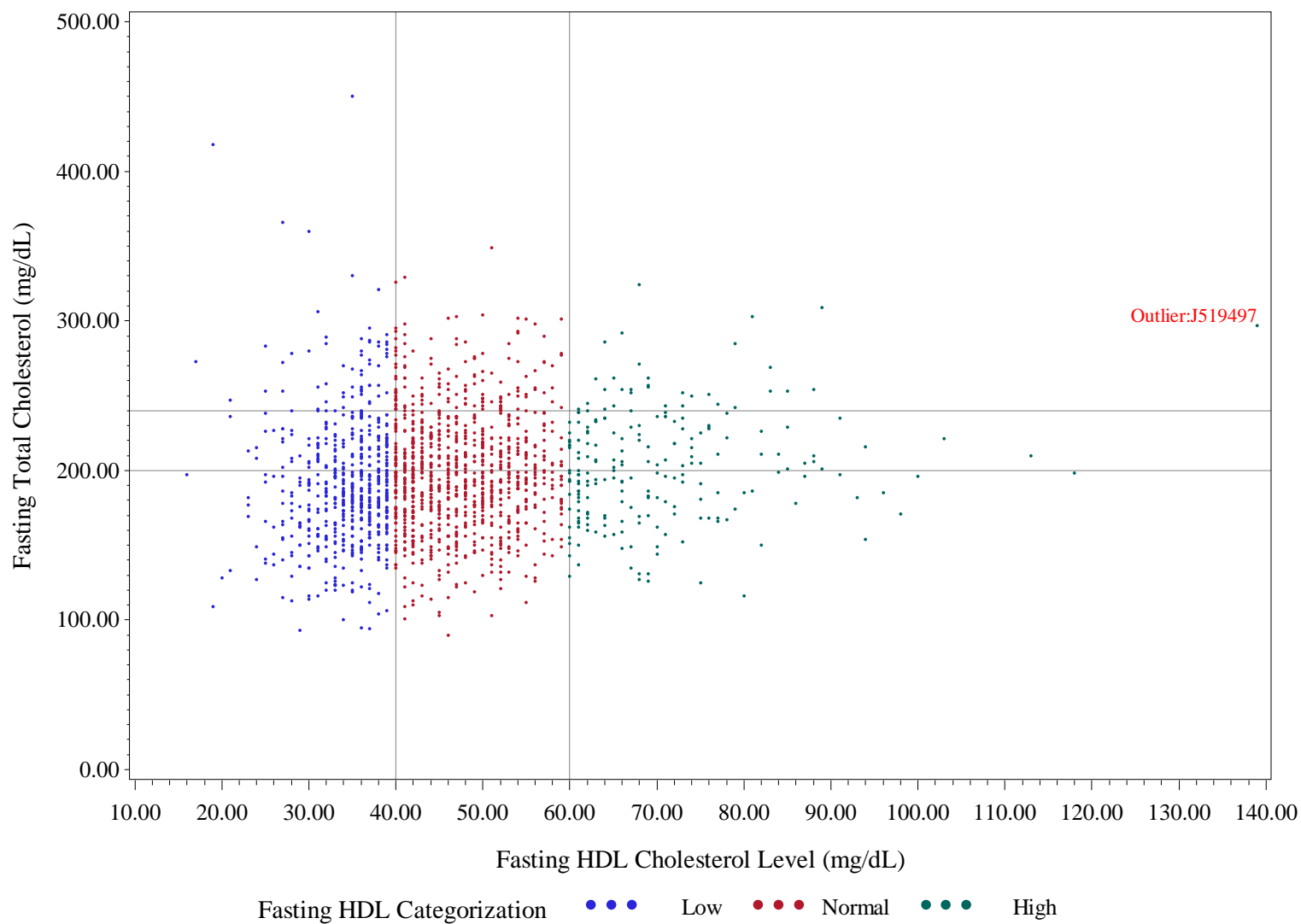
The FREQ Procedure

Table of ldl5cat by hdl3cat					
ldl5cat(Fasting LDL Categorization)	hdl3cat(Fasting HDL Categorization)				
Frequency Percent Row Pct Col Pct	.	Low	Normal	High	Total
.	492 9.27 92.13 100.00	32 0.60 5.99 1.79	10 0.19 1.87 0.56	0 0.00 0.00 0.00	534 10.06
Optimal	0 0.00 0.00 0.00	376 7.09 33.84 21.01	380 7.16 34.20 21.17	355 6.69 31.95 28.89	1111 20.94
Near/Above Optimal	0 0.00 0.00 0.00	569 10.72 36.66 31.79	574 10.82 36.98 31.98	409 7.71 26.35 33.28	1552 29.25
Borderline High	0 0.00 0.00 0.00	477 8.99 37.24 26.65	502 9.46 39.19 27.97	302 5.69 23.58 24.57	1281 24.14
High	0 0.00 0.00 0.00	238 4.49 40.34 13.30	237 4.47 40.17 13.20	115 2.17 19.49 9.36	590 11.12
Very High	0 0.00 0.00 0.00	98 1.85 41.18 5.47	92 1.73 38.66 5.13	48 0.90 20.17 3.91	238 4.49
Total	492 9.27	1790 33.74	1795 33.83	1229 23.16	5306 100.00

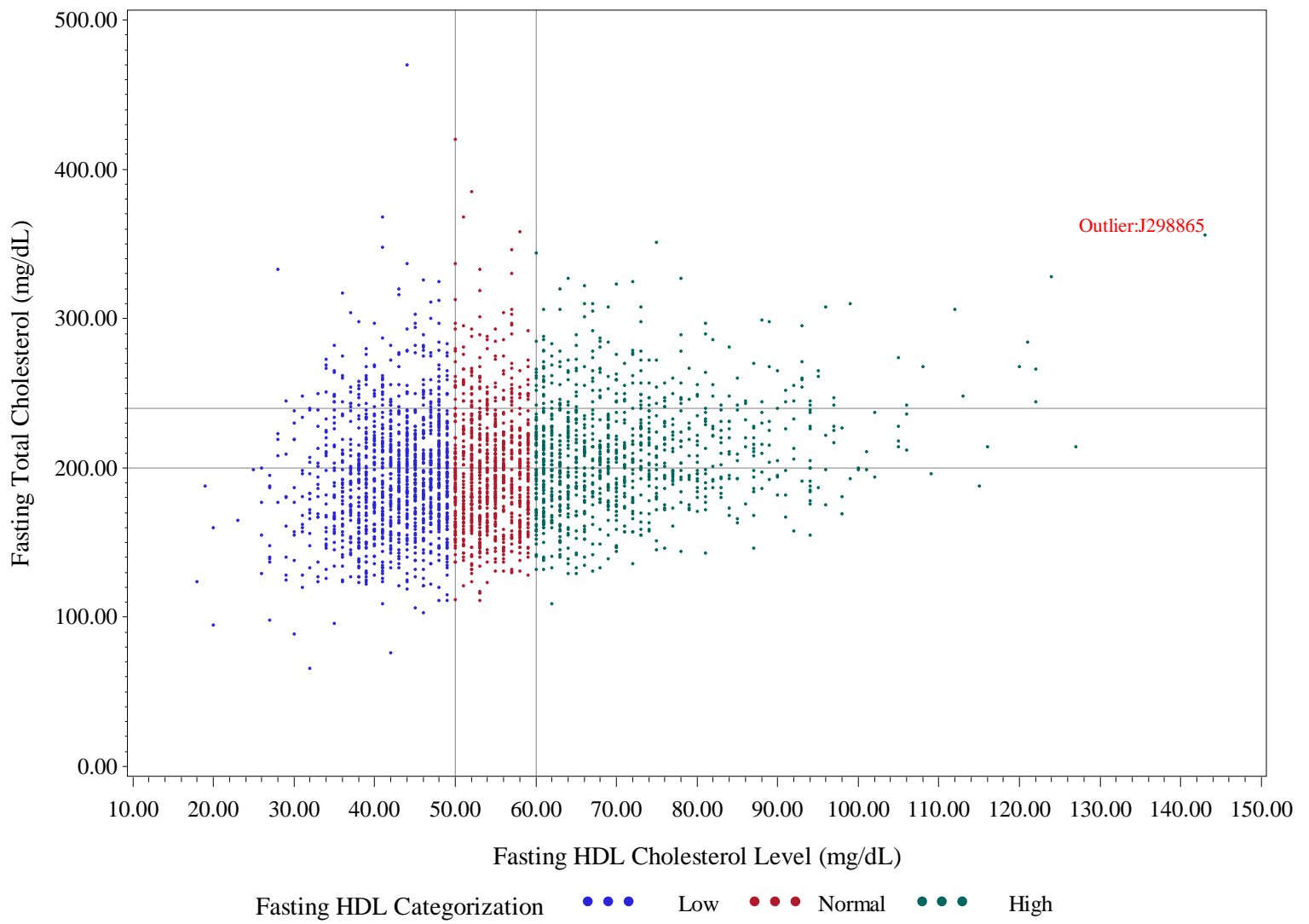
total chol vs ldl



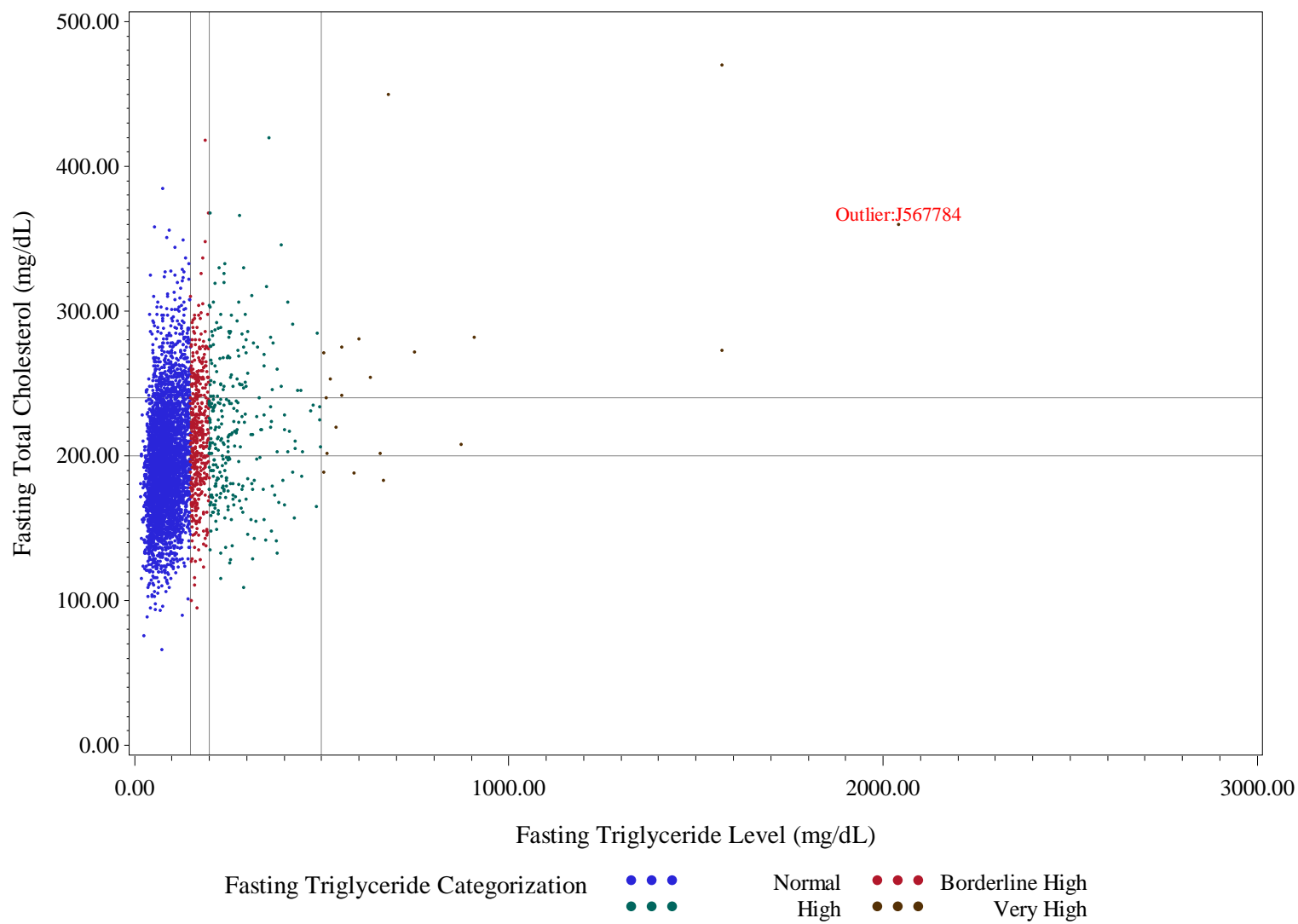
total chol vs hdl: Male



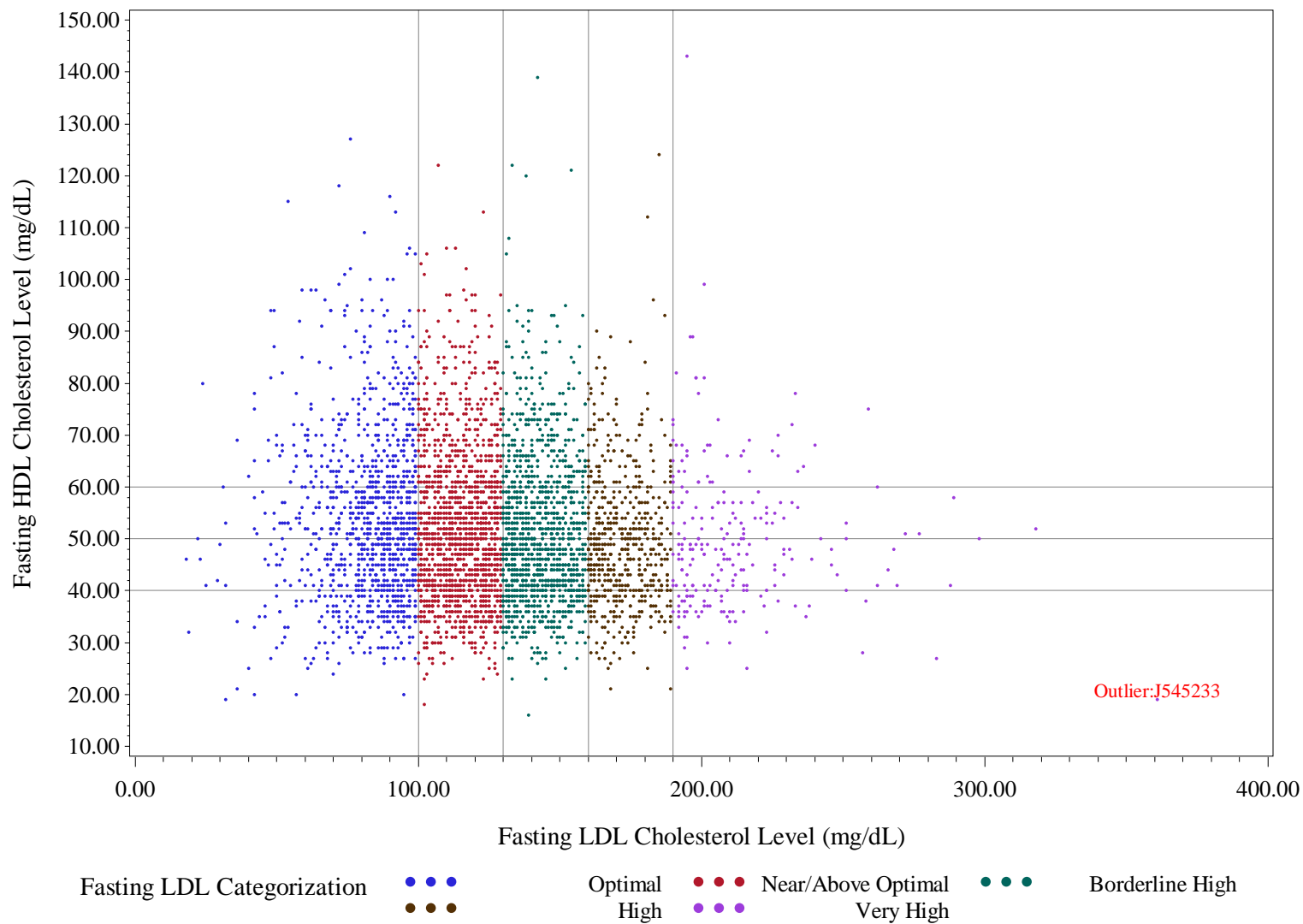
total chol vs hdl: Female



total chol vs trigs



hdl vs ldl



trigs vs ldl

