MROS Study: B1AUG16
Data Frequencies

The FREQ Procedure

Hip scan QDR number				
B1HPQDR	Frequency	Percent	Cumulative Frequency	Cumulative Percent
48878:Pittsburgh	1005	16.77	1005	16.77
49415:Portland	1007	16.80	2012	33.57
49430:Palo Alto	995	16.60	3007	50.17
49450:San Diego	1013	16.90	4020	67.07
49454:Birmingham	969	16.17	4989	83.23
49487:Minneapolis	1005	16.77	5994	100.00

Hip scan type				
B1HPTYP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
2:L Hip	128	2.14	128	2.14
3:R Hip	5866	97.86	5994	100.00

Hip scan mode				
B1HPMODE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
11:Array	1975	32.95	1975	32.95
12:Array	4019	67.05	5994	100.00

MROS Study: B1AUG16
Data Frequencies

The FREQ Procedure

		Hip scan operator code		
B1HPCOD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
	20	.	.	.
008	18	0.30	18	0.30
009	43	0.72	61	1.02
031	21	0.35	82	1.37
08	2	0.03	84	1.41
1	1	0.02	85	1.42
245	1	0.02	86	1.44
368	1	0.02	87	1.46
45	1	0.02	88	1.47
73	6	0.10	94	1.57
934	1	0.02	95	1.59
A03	41	0.69	136	2.28
B01	809	13.54	945	15.82
B02	145	2.43	1090	18.25
B04	6	0.10	1096	18.35
BLN	52	0.87	1148	19.22
BO1	2	0.03	1150	19.25
BO2	1	0.02	1151	19.27
BO4	2	0.03	1153	19.30
D04	14	0.23	1167	19.53
DB	1	0.02	1168	19.55
DC	4	0.07	1172	19.62
DMC	4	0.07	1176	19.69
GE	2	0.03	1178	19.72
GMS	1	0.02	1179	19.74
I66	3	0.05	1182	19.79
I68	18	0.30	1200	20.09
I73	36	0.60	1236	20.69
KMH	4	0.07	1240	20.76
L10	2	0.03	1242	20.79
M07	25	0.42	1267	21.21
M08	18	0.30	1285	21.51
M10	142	2.38	1427	23.89
M45	4	0.07	1431	23.95
M7	1	0.02	1432	23.97
M70	270	4.52	1702	28.49
M73	292	4.89	1994	33.38
M84	143	2.39	2137	35.77
Frequency Missing = 20				

MROS Study: B1AUG16
Data Frequencies

The FREQ Procedure

Hip scan operator code				
B1HPCOD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M93	85	1.42	2222	37.19
MN	2	0.03	2224	37.23
O08	56	0.94	2280	38.17
O09	90	1.51	2370	39.67
O31	717	12.00	3087	51.67
OO8	2	0.03	3089	51.71
PA03	754	12.62	3843	64.33
PA41	101	1.69	3944	66.02
PA42	53	0.89	3997	66.91
PA44	43	0.72	4040	67.63
PAM	6	0.10	4046	67.73
PAO3	1	0.02	4047	67.74
PI03	72	1.21	4119	68.95
PI08	163	2.73	4282	71.68
PI47	59	0.99	4341	72.66
PI66	78	1.31	4419	73.97
PI68	245	4.10	4664	78.07
PI73	317	5.31	4981	83.38
PO8	2	0.03	4983	83.41
P[I68	1	0.02	4984	83.43
S04	16	0.27	5000	83.70
S05	1	0.02	5001	83.71
S06	885	14.81	5886	98.53
S22	2	0.03	5888	98.56
S26	84	1.41	5972	99.97
SLV	1	0.02	5973	99.98
pi66	1	0.02	5974	100.00
Frequency Missing = 20				

Hip scan protocol				
B1HPPRO	Frequency	Percent	Cumulative Frequency	Cumulative Percent
203	45	0.75	45	0.75
204	1930	32.20	1975	32.95
216	83	1.38	2058	34.33
217	3936	65.67	5994	100.00

MROS Study: B1AUG16
Data Frequencies

The FREQ Procedure

Hip side				
B1HPSIDE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
L	128	2.14	128	2.14
R	5866	97.86	5994	100.00

MrOS SITE				
SITE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Birmingham	969	16.17	969	16.17
Minneapolis	1005	16.77	1974	32.93
Palo Alto	995	16.60	2969	49.53
Pittsburgh	1005	16.77	3974	66.30
Portland	1007	16.80	4981	83.10
San Diego	1013	16.90	5994	100.00

Spine scan QDR number				
B1SPQDR	Frequency	Percent	Cumulative Frequency	Cumulative Percent
	7	.	.	.
48878:Pittsburgh	1001	16.72	1001	16.72
49415:Portland	1007	16.82	2008	33.54
49430:Palo Alto	994	16.60	3002	50.14
49450:San Diego	1013	16.92	4015	67.06
49454:Birmingham	968	16.17	4983	83.23
49487:Minneapolis	1004	16.77	5987	100.00
Frequency Missing = 7				

Spine scan type				
B1SPTYP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	7	.	.	.
1:Spine	5987	100.00	5987	100.00
Frequency Missing = 7				

Spine scan mode				
B1SPMODE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	7	.	.	.
11:Array	1983	33.12	1983	33.12
12:Array	4004	66.88	5987	100.00
Frequency Missing = 7				

MROS Study: B1AUG16
Data Frequencies

The FREQ Procedure

Spine scan operator code				
B1SPCOD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
	26	.	.	.
008	18	0.30	18	0.30
009	43	0.72	61	1.02
031	21	0.35	82	1.37
08	2	0.03	84	1.41
1	1	0.02	85	1.42
245	1	0.02	86	1.44
368	1	0.02	87	1.46
45	1	0.02	88	1.47
73	6	0.10	94	1.58
934	1	0.02	95	1.59
A03	41	0.69	136	2.28
B01	808	13.54	944	15.82
B02	145	2.43	1089	18.25
B04	6	0.10	1095	18.35
BLN	52	0.87	1147	19.22
BO1	2	0.03	1149	19.25
BO2	1	0.02	1150	19.27
BO4	2	0.03	1152	19.30
D04	14	0.23	1166	19.54
DB	1	0.02	1167	19.55
DC	4	0.07	1171	19.62
DMC	4	0.07	1175	19.69
GE	3	0.05	1178	19.74
GMS	1	0.02	1179	19.76
I66	3	0.05	1182	19.81
I68	18	0.30	1200	20.11
I73	35	0.59	1235	20.69
KMH	4	0.07	1239	20.76
L10	2	0.03	1241	20.79
M07	25	0.42	1266	21.21
M08	18	0.30	1284	21.51
M10	142	2.38	1426	23.89
M45	4	0.07	1430	23.96
M7	1	0.02	1431	23.98
M70	269	4.51	1700	28.49
M73	292	4.89	1992	33.38
M84	143	2.40	2135	35.77
Frequency Missing = 26				

MROS Study: B1AUG16
Data Frequencies

The FREQ Procedure

Spine scan operator code				
B1SPCOD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M93	85	1.42	2220	37.20
MN	2	0.03	2222	37.23
O08	56	0.94	2278	38.17
O09	90	1.51	2368	39.68
O31	717	12.01	3085	51.69
OO8	2	0.03	3087	51.73
PA03	753	12.62	3840	64.34
PA41	100	1.68	3940	66.02
PA42	54	0.90	3994	66.92
PA44	43	0.72	4037	67.64
PAM	6	0.10	4043	67.74
PAO3	1	0.02	4044	67.76
PI03	72	1.21	4116	68.97
PI08	161	2.70	4277	71.67
PI47	58	0.97	4335	72.64
PI66	78	1.31	4413	73.94
PI68	245	4.11	4658	78.05
PI73	317	5.31	4975	83.36
PO8	2	0.03	4977	83.39
P[I68	1	0.02	4978	83.41
S04	16	0.27	4994	83.68
S05	1	0.02	4995	83.70
S06	884	14.81	5879	98.51
S22	2	0.03	5881	98.54
S26	85	1.42	5966	99.97
SLV	1	0.02	5967	99.98
pi66	1	0.02	5968	100.00
Frequency Missing = 26				

Spine scan protocol				
B1SPPRO	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	7	.	.	.
200	1983	33.12	1983	33.12
215	3995	66.73	5978	99.85
276	9	0.15	5987	100.00
Frequency Missing = 7				

MROS Study: B1AUG16
Data Frequencies

The FREQ Procedure

Whole Body scan QDR number				
B1WBQDR	Frequency	Percent	Cumulative Frequency	Cumulative Percent
	38	.	.	.
48878:Pittsburgh	997	16.74	997	16.74
49415:Portland	1005	16.87	2002	33.61
49430:Palo Alto	991	16.64	2993	50.25
49450:San Diego	1011	16.97	4004	67.23
49454:Birmingham	948	15.92	4952	83.14
49487:Minneapolis	1004	16.86	5956	100.00
Frequency Missing = 38				

Whole Body scan type				
B1WBTYP	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	38	.	.	.
5:Whole Body	5956	100.00	5956	100.00
Frequency Missing = 38				

Whole Body scan mode				
B1WBMODE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	38	.	.	.
11:Array	5956	100.00	5956	100.00
Frequency Missing = 38				

MROS Study: B1AUG16
Data Frequencies

The FREQ Procedure

B1WBCOD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Whole Body scan operator code				
	56	.	.	.
008	18	0.30	18	0.30
009	43	0.72	61	1.03
031	21	0.35	82	1.38
08	2	0.03	84	1.41
1	1	0.02	85	1.43
245	1	0.02	86	1.45
368	1	0.02	87	1.47
45	1	0.02	88	1.48
73	6	0.10	94	1.58
934	1	0.02	95	1.60
A03	40	0.67	135	2.27
B01	797	13.42	932	15.70
B02	136	2.29	1068	17.99
B04	6	0.10	1074	18.09
BLN	52	0.88	1126	18.96
BO1	2	0.03	1128	19.00
BO2	1	0.02	1129	19.01
BO4	2	0.03	1131	19.05
D04	14	0.24	1145	19.28
DB	1	0.02	1146	19.30
DC	4	0.07	1150	19.37
DMC	4	0.07	1154	19.43
GE	2	0.03	1156	19.47
GMS	1	0.02	1157	19.48
I66	3	0.05	1160	19.54
I68	18	0.30	1178	19.84
I73	35	0.59	1213	20.43
KMH	4	0.07	1217	20.50
L10	2	0.03	1219	20.53
M07	26	0.44	1245	20.97
M08	18	0.30	1263	21.27
M10	143	2.41	1406	23.68
M45	4	0.07	1410	23.75
M7	1	0.02	1411	23.76
M70	270	4.55	1681	28.31
M73	293	4.93	1974	33.24
M84	143	2.41	2117	35.65
Frequency Missing = 56				

MROS Study: B1AUG16
Data Frequencies

The FREQ Procedure

Whole Body scan operator code				
B1WBCOD	Frequency	Percent	Cumulative Frequency	Cumulative Percent
M93	83	1.40	2200	37.05
MN	3	0.05	2203	37.10
O08	56	0.94	2259	38.04
O09	90	1.52	2349	39.56
O31	715	12.04	3064	51.60
OO8	2	0.03	3066	51.63
PA03	752	12.66	3818	64.30
PA41	101	1.70	3919	66.00
PA42	52	0.88	3971	66.87
PA44	43	0.72	4014	67.60
PAM	6	0.10	4020	67.70
PAO3	1	0.02	4021	67.72
PI03	71	1.20	4092	68.91
PI08	160	2.69	4252	71.61
PI47	58	0.98	4310	72.58
PI66	78	1.31	4388	73.90
PI68	244	4.11	4632	78.01
PI73	316	5.32	4948	83.33
PO8	2	0.03	4950	83.36
S04	16	0.27	4966	83.63
S05	1	0.02	4967	83.65
S06	882	14.85	5849	98.50
S22	2	0.03	5851	98.53
S26	85	1.43	5936	99.97
SLV	1	0.02	5937	99.98
pi66	1	0.02	5938	100.00
Frequency Missing = 56				

Whole Body scan protocol				
B1WBPRO	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A:Missing	38	.	.	.
237	5956	100.00	5956	100.00
Frequency Missing = 38				

Visit				
VISIT	Frequency	Percent	Cumulative Frequency	Cumulative Percent
B1	5994	100.00	5994	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TRA (Trochanteric Area (cm2))

Moments			
N	5993	Sum Weights	5993
Mean	13.7618234	Sum Observations	82474.6073
Std Deviation	1.56998088	Variance	2.46483996
Skewness	0.48443539	Kurtosis	0.93766169
Uncorrected SS	1149770.3	Corrected SS	14769.321
Coeff Variation	11.408233	Std Error Mean	0.0202802

Basic Statistical Measures			
Location		Variability	
Mean	13.76182	Std Deviation	1.56998
Median	13.65011	Variance	2.46484
Mode	11.95546	Range	16.58307
		Interquartile Range	2.02107

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	678.5842	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	25.2071
99%	17.9273
95%	16.4873
90%	15.7929
75% Q3	14.7277
50% Median	13.6501
25% Q1	12.7067
10%	11.8467
5%	11.3345
1%	10.5066
0% Min	8.6240

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TRA (Trochanteric Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
8.62400	PO6937	4406	20.2635	SD8158	5139
8.87050	PA3817	2787	20.4355	PI5131	3600
9.31403	PA3286	2259	20.7033	PI4574	3043
9.43126	MN1908	1376	21.6457	PI5398	3867
9.52069	SD8188	5169	25.2071	PI5054	3523

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00

```
                    Histogram                          #  Boxplot
    25.5+*                                             1     *
        .
        .
        .
        .*                                             1     *
        .*                                             4     O
        .*                                            13     O
        .**                                           37     O
        .****                                        120     O
        .*********                                    316     |
        .********************                         715     |
        .*********************************           1224  +-----+
        .************************************************  1629  *--+--*
        .*********************************           1218  +-----+
        .****************                            543     |
        .*****                                       155     |
        .*                                            15     O
     8.5+*                                             2     O
        ----+----+----+----+----+----+----+----+---
         * may represent up to 34 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TRA (Trochanteric Area (cm2))

```
                        Normal Probability Plot
    25.5+                                        *
        |
        |
        |
        |                                      *
        |                                      *
        |                                      *
        |                                     **
        |                                 *****++
        |                              ******+
        |                          *******
        |                        *******
        |                     ********
        |                  ********
        |            ********
        |*******+
        |*+
     8.5+*
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TRC (Trochanteric BMC (g))

Moments			
N	5993	Sum Weights	5993
Mean	10.5473592	Sum Observations	63210.3236
Std Deviation	2.23628632	Variance	5.00097649
Skewness	0.62338972	Kurtosis	1.20588262
Uncorrected SS	696667.838	Corrected SS	29965.8511
Coeff Variation	21.2023339	Std Error Mean	0.02888719

Basic Statistical Measures			
Location		Variability	
Mean	10.54736	Std Deviation	2.23629
Median	10.35677	Variance	5.00098
Mode	.	Range	23.14600
		Interquartile Range	2.90026

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	365.1224	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	25.29048
99%	16.75992
95%	14.41220
90%	13.38032
75% Q3	11.91254
50% Median	10.35677
25% Q1	9.01228
10%	7.84834
5%	7.21788
1%	6.17559
0% Min	2.14448

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TRC (Trochanteric BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
2.14448	PO6873	4342	21.4048	PO7190	4655
3.60020	PA3523	2494	22.1241	SD8486	5462
4.60590	SD8140	5121	22.2738	PI5117	3586
4.76610	SD8108	5089	22.3435	PO6578	4051
4.93325	BI0104	102	25.2905	PO6848	4317

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00
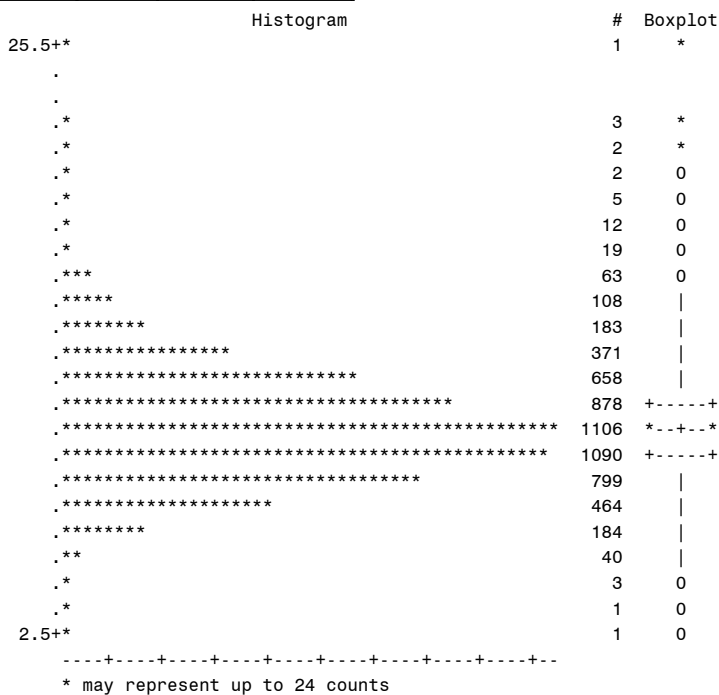
```
                        Histogram                          #  Boxplot
   25.5+*                                                   1     *
       .
       .
       .*                                                   3     *
       .*                                                   2     *
       .*                                                   2     0
       .*                                                   5     0
       .*                                                  12     0
       .*                                                  19     0
       .***                                                63     0
       .*****                                             108     |
       .********                                          183     |
       .***************                                   371     |
       .*************************                         658     |
       .***********************************              878  +-----+
       .************************************************ 1106  *--+--*
       .*********************************************** 1090  +-----+
       .**********************************               799     |
       .*******************                              464     |
       .********                                         184     |
       .**                                                40     |
       .*                                                  3     0
       .*                                                  1     0
    2.5+*                                                  1     0
       ----+----+----+----+----+----+----+----+----+--
       * may represent up to 24 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TRC (Trochanteric BMC (g))

```
                         Normal Probability Plot
    25.5+                                        *
        |
        |
        |                                       *
        |                                       *
        |                                       *
        |                                       *
        |                                       *
        |                                      **
        |                                  ****+
        |                                ****+++
        |                              ****+
        |                          *****
        |                        *****
        |                      *****
        |                   ******
        |                 ******
        |              ******
        |            *******
        |  *******++
        |**+++
        |*
        |*
     2.5+*
        +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```
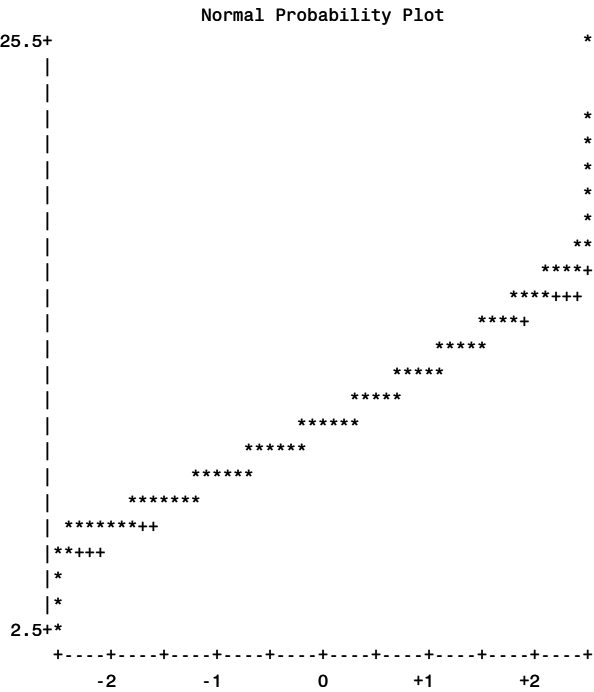
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TRD (Corrected Trochanter BMD (g/cm2))

Moments			
N	5993	Sum Weights	5993
Mean	0.76500601	Sum Observations	4584.68101
Std Deviation	0.12737159	Variance	0.01622352
Skewness	0.36947524	Kurtosis	0.89879721
Uncorrected SS	3604.51986	Corrected SS	97.2113461
Coeff Variation	16.6497505	Std Error Mean	0.00164532

Basic Statistical Measures			
Location		Variability	
Mean	0.765006	Std Deviation	0.12737
Median	0.758544	Variance	0.01622
Mode	.	Range	1.53198
		Interquartile Range	0.17007

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	464.9587	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.699029
99%	1.086062
95%	0.980866
90%	0.931113
75% Q3	0.847333
50% Median	0.758544
25% Q1	0.677265
10%	0.609666
5%	0.565915
1%	0.499908
0% Min	0.167047

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TRD (Corrected Trochanter BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.167047	PO6873	4342	1.29777	PA3098	2071
0.314893	PA3523	2494	1.31505	SD8486	5462
0.321745	SD8108	5089	1.31667	SD8841	5817
0.385267	SD8140	5121	1.46084	PI5117	3586
0.389055	PO7047	4516	1.69903	PO6848	4317

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00

```
                    Histogram                          #  Boxplot
     1.65+*                                             1     *
         .
         .*                                             1     *
     1.35+*                                             2     0
         .*                                            10     0
         .*                                            29     0
     1.05+*****                                        178    |
         .***************                              619    |
         .*********************************           1389  +-----+
     0.75+**************************************************  1893  *--+--*
         .******************************              1348  +-----+
         .************                                 463    |
     0.45+**                                            55     0
         .*                                             4     0
         .
     0.15+*                                             1     *
         ----+----+----+----+----+----+----+----+---
         * may represent up to 40 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TRD (Corrected Trochanter BMD (g/cm2))

```
                     Normal Probability Plot
     1.65+                                          *
         |
         |                                       *
     1.35+                                       *
         |                                       *
         |                                       *
     1.05+                                 *******+
         |                             ********
         |                         *********
     0.75+                     *********
         |                 **********
         |     **********+
     0.45+***++
         |*
         |
     0.15+*
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
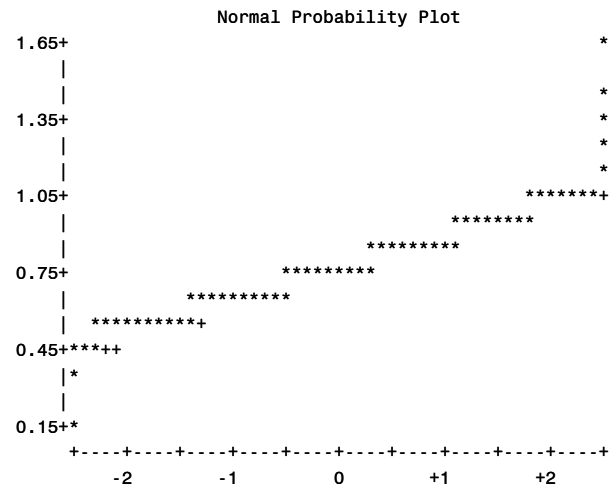
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ITA (Intertrochanteric Area (cm2))

Moments			
N	5993	Sum Weights	5993
Mean	23.9325903	Sum Observations	143428.014
Std Deviation	3.20559595	Variance	10.2758454
Skewness	0.45262332	Kurtosis	0.78750276
Uncorrected SS	3494176.75	Corrected SS	61572.8657
Coeff Variation	13.3942708	Std Error Mean	0.04140823

Basic Statistical Measures			
Location		Variability	
Mean	23.93259	Std Deviation	3.20560
Median	23.71381	Variance	10.27585
Mode	23.47104	Range	34.45660
		Interquartile Range	4.20213

Note: The mode displayed is the smallest of 2 modes with a count of 7.

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	577.967	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	48.2688
99%	32.2628
95%	29.6078
90%	28.1195
75% Q3	25.8912
50% Median	23.7138
25% Q1	21.6890
10%	20.1124
5%	19.0611
1%	17.2082
0% Min	13.8122

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ITA (Intertrochanteric Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
13.8122	PO7454	4919	37.4138	PA3220	2193
14.7837	SD8146	5127	37.4138	PA3587	2558
14.9512	SD8630	5606	37.5380	PO7516	4980
15.1282	PI5161	3630	37.6503	PA3625	2596
15.4021	BI0834	825	48.2688	PO7292	4757

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00

```
                 Histogram               #  Boxplot
   49+*                                  1     *
     .
     .
     .
     .
     .
     .*                                  6     0
     .*                                  7     0
     .**                                55     0
   31+******                           173     |
     .*************                    392     |
     .************************         817     |
     .****************************************  1323  +-----+
     .**********************************************  1501  *--+--*
     .*************************************  1161  +-----+
     .**************                     443     |
     .****                               98     |
     .*                                  15     0
   13+*                                   1     0
     ----+----+----+----+----+----+----+----+--
      * may represent up to 32 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ITA (Intertrochanteric Area (cm2))

```
                     Normal Probability Plot
    49+                                        *
      |
      |
      |
      |
      |
      |                                    *
      |                                    *
      |                                  ***
    31+                            *******++
      |                         ******+
      |                       ******
      |                    *******
      |                *********
      |             ********
      |          *********
      |*****++
      |*
    13+*
      +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```
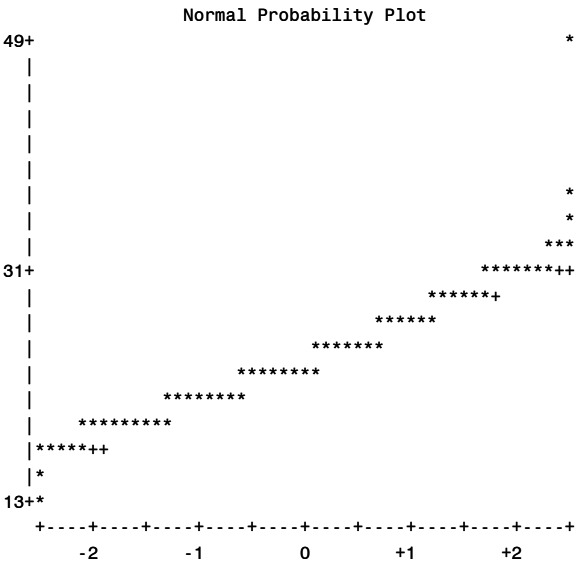
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ITC (Intertrochanteric BMC (g))

Moments			
N	5993	Sum Weights	5993
Mean	26.5751994	Sum Observations	159265.17
Std Deviation	5.19255617	Variance	26.9626396
Skewness	0.47635987	Kurtosis	0.6295833
Uncorrected SS	4394063.79	Corrected SS	161560.137
Coeff Variation	19.5391052	Std Error Mean	0.06707475

Basic Statistical Measures			
Location		Variability	
Mean	26.57520	Std Deviation	5.19256
Median	26.16000	Variance	26.96264
Mode	.	Range	45.16645
		Interquartile Range	6.83251

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	396.2027	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	54.43877
99%	40.52781
95%	35.70574
90%	33.22656
75% Q3	29.82341
50% Median	26.16000
25% Q1	22.99089
10%	20.27330
5%	18.79990
1%	15.91526
0% Min	9.27232

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ITC (Intertrochanteric BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
9.27232	PO6873	4342	48.4955	PO6848	4317
11.38791	SD8604	5580	48.8214	SD8661	5637
11.78157	SD8568	5544	50.3372	PI5117	3586
12.62847	BI0104	102	52.6768	PO7516	4980
12.72581	SD8146	5127	54.4388	PO7292	4757

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00

```
                        Histogram             #  Boxplot
    55+*                                       1     *
      .*                                       1     *
      .*                                       1     *
      .*                                       4     0
      .*                                       3     0
      .*                                       8     0
      .*                                      15     0
      .**                                     36     0
      .****                                   67     |
      .*******                               135     |
      .***********                           218     |
      .*****************                     372     |
      .**************************            578     |
      .********************************      731  +-----+
      .*******************************************  891  *--+--*
      .************************************************  980  |     |
      .*****************************************  838  +-----+
      .****************************            587     |
      .****************                       331     |
      .*******                                134     |
      .***                                     47     |
      .*                                       12     0
      .*                                        2     0
     9+*                                        1     0
      ----+----+----+----+----+----+----+----+--
     * may represent up to 21 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ITC (Intertrochanteric BMC (g))

```
                     Normal Probability Plot
   55+                                          *
     |                                          *
     |                                          *
     |                                          *
     |                                          *
     |                                          *
     |                                          *
     |                                       ***
     |                                    ****++
     |                                  ****++
     |                                ****+
     |                              ****
     |                            *****
     |                          +****
     |                        +*****
     |                      ******
     |                    *****
     |                  ******
     |                *****+
     |            ******+
     |***++
     |*
     |*
    9+*
      +----+----+----+----+----+----+----+----+----+----+----+
         -2        -1         0        +1        +2
```
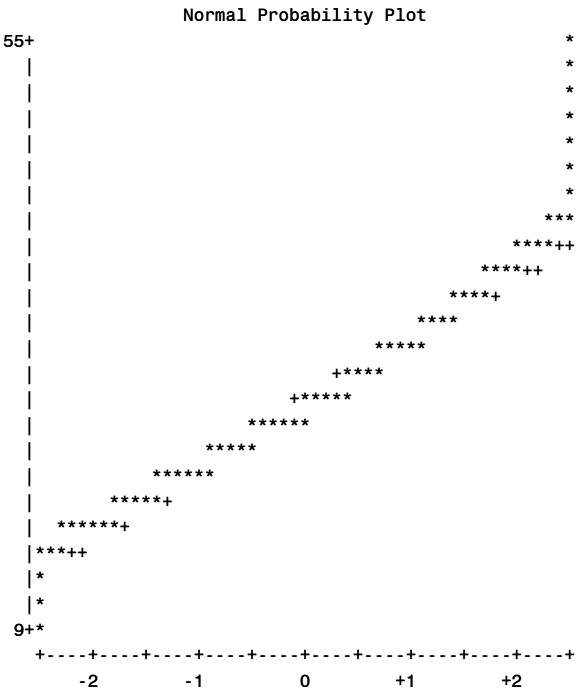
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ITD (Corrected Intertroch BMD (g/cm2))

Moments			
N	5993	Sum Weights	5993
Mean	1.11173704	Sum Observations	6662.64009
Std Deviation	0.16654135	Variance	0.02773602
Skewness	0.21143576	Kurtosis	0.28005639
Uncorrected SS	7573.29801	Corrected SS	166.194236
Coeff Variation	14.9802824	Std Error Mean	0.00215129

Basic Statistical Measures			
Location		Variability	
Mean	1.111737	Std Deviation	0.16654
Median	1.104826	Variance	0.02774
Mode	.	Range	1.59510
		Interquartile Range	0.22253

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	516.7758	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.984454
99%	1.524731
95%	1.395753
90%	1.326691
75% Q3	1.221529
50% Median	1.104826
25% Q1	0.998994
10%	0.903941
5%	0.849988
1%	0.747492
0% Min	0.389357

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ITD (Corrected Intertroch BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.389357	PO6873	4342	1.71329	MN1896	1364
0.554777	BI0104	102	1.72202	MN2461	1929
0.563715	PA3523	2494	1.79063	PO6848	4317
0.566762	SD8108	5089	1.85264	PI5431	3900
0.575530	SD8889	5865	1.98445	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00

```
                    Histogram                        #   Boxplot
    1.95+*                                            1      *
        .*                                            1      0
        .*                                            5      0
        .*                                           12      0
        .***                                         72      0
        .*******                                    193      |
        .****************                           492      |
        .*****************************              937   +-----+
    1.15+*********************************************  1361   *--+--*
        .**********************************************  1403   |     |
        .*****************************               945   +-----+
        .***************                            425      |
        .****                                       114      |
        .*                                           27      0
        .*                                            4      0
        .
    0.35+*                                            1      0
        ----+----+----+----+----+----+----+----+--
         * may represent up to 30 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ITD (Corrected Intertroch BMD (g/cm2))

```
                        Normal Probability Plot
    1.95+                                          *
        |                                          *
        |                                          *
        |                                          *
        |                                      ****
        |                                 ******+
        |                             *******
        |                        ******
    1.15+                    *******
        |                 ********
        |            *******
        |        ********
        |******+
        |*
        |*
        |
    0.35+*
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
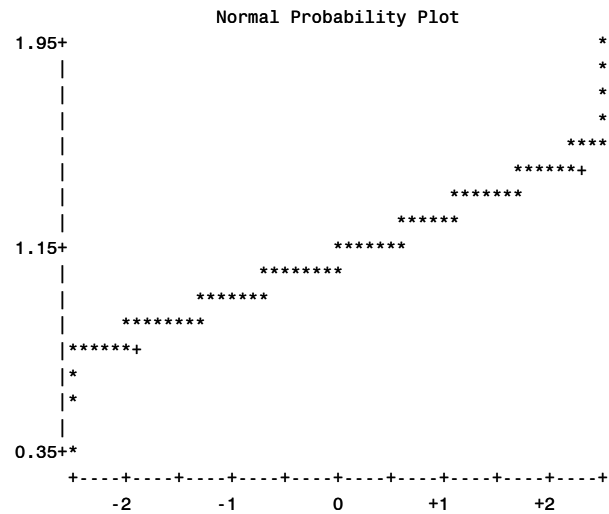
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1FNA (Femoral Neck Area (cm2))

Moments			
N	5993	Sum Weights	5993
Mean	5.68832046	Sum Observations	34090.1045
Std Deviation	0.43715098	Variance	0.19110098
Skewness	-0.1381862	Kurtosis	3.85193116
Uncorrected SS	195060.516	Corrected SS	1145.07708
Coeff Variation	7.6850625	Std Error Mean	0.00564689

Basic Statistical Measures			
Location		Variability	
Mean	5.688320	Std Deviation	0.43715
Median	5.674317	Variance	0.19110
Mode	5.736070	Range	6.58525
		Interquartile Range	0.54878

Note: The mode displayed is the smallest of 2 modes with a count of 18.

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	1007.337	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	7.99305
99%	6.76982
95%	6.39908
90%	6.23291
75% Q3	5.95354
50% Median	5.67432
25% Q1	5.40476
10%	5.17429
5%	5.04051
1%	4.70118
0% Min	1.40780

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1FNA (Femoral Neck Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1.40780	PO7412	4877	7.46601	MN2256	1724
1.66376	PO7413	4878	7.54922	PI4512	2981
2.98640	MN1623	1092	7.73575	MN2477	1945
3.47519	PO7342	4807	7.98345	PA3625	2596
3.58368	MN1975	1443	7.99305	SD8170	5151

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00

```
                   Histogram               #  Boxplot
     7.75+*                                 4     0
         .*                                21     0
         .****                            186     0
         .******************             1111     |
         .*************************************** 2652  +--+--+
         .*****************************  1773  +-----+
         .****                           220     0
         .*                               15     0
         .*                                7     0
         .*                                1     *
         .*                                1     *
         .
         .*                                1     *
     1.25+*                                1     *
         ----+----+----+----+----+----+----+----+----+---
          * may represent up to 56 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1FNA (Femoral Neck Area (cm2))

```
                    Normal Probability Plot
    7.75+                                      *
       |                                     *
       |                                 ********
       |                         **********
       |                 *************
       |         **************
       |*********+
       |*
       |*
       |*
       |*
       |
       |*
    1.25+*
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
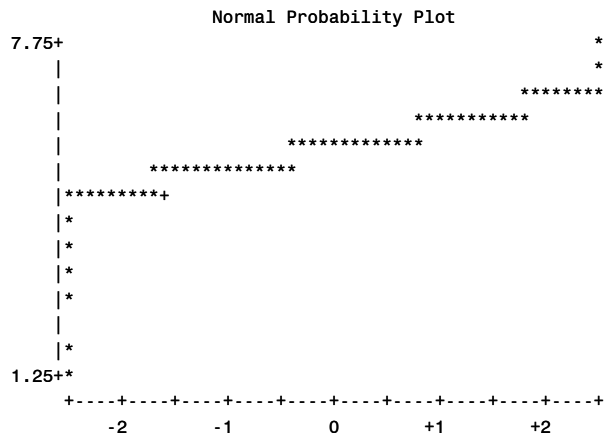
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1FNC (Femoral Neck BMC (g))

Moments			
N	5993	Sum Weights	5993
Mean	4.45506553	Sum Observations	26699.2077
Std Deviation	0.77688239	Variance	0.60354624
Skewness	0.61647786	Kurtosis	1.21537032
Uncorrected SS	122563.169	Corrected SS	3616.44909
Coeff Variation	17.4381809	Std Error Mean	0.01003536

Basic Statistical Measures			
Location		Variability	
Mean	4.455066	Std Deviation	0.77688
Median	4.382936	Variance	0.60355
Mode	.	Range	7.98675
		Interquartile Range	1.00276

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	443.9366	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	9.40252
99%	6.66918
95%	5.81195
90%	5.44896
75% Q3	4.91769
50% Median	4.38294
25% Q1	3.91493
10%	3.53830
5%	3.31378
1%	2.93637
0% Min	1.41577

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1FNC (Femoral Neck BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1.41577	PO7412	4877	8.08187	MN2461	1929
1.60291	PO6873	4342	8.10936	SD8661	5637
1.81465	PO7342	4807	8.25194	PO6890	4359
2.03809	PO7413	4878	8.43813	PO7190	4655
2.11173	PI4554	3023	9.40252	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00

```
                    Histogram               #  Boxplot
     9.25+*                                  1     *
         .
         .*                                  5     *
         .*                                  8     0
         .*                                 15     0
         .**                                48     0
         .****                             129     0
         .*********                        338     |
     5.25+*********************            762     |
         .****************************************       1334  +-----+
         .************************************************* 1604  *--+--*
         .*********************************               1210  +-----+
         .**************                   445     |
         .***                              87     |
         .*                                 4     0
         .*                                 2     0
     1.25+*                                 1     0
         ----+----+----+----+----+----+----+----+---
          * may represent up to 34 counts
```
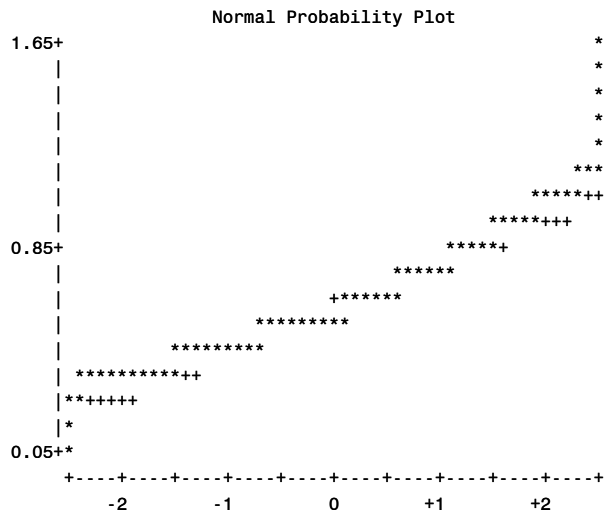
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1FNC (Femoral Neck BMC (g))

```
                     Normal Probability Plot
    9.25+                                        *
        |
        |                                          *
        |                                          *
        |                                          *
        |                                     ****
        |                                 *****+++
        |                             ******+
    5.25+                        ******
        |                    ********
        |                *******
        |           *********
        |      *********
        |****+++
        |*
        |*
    1.25+*
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
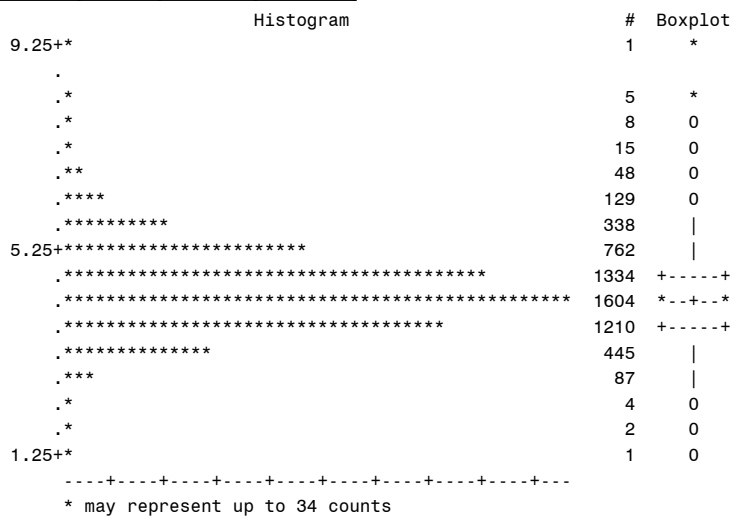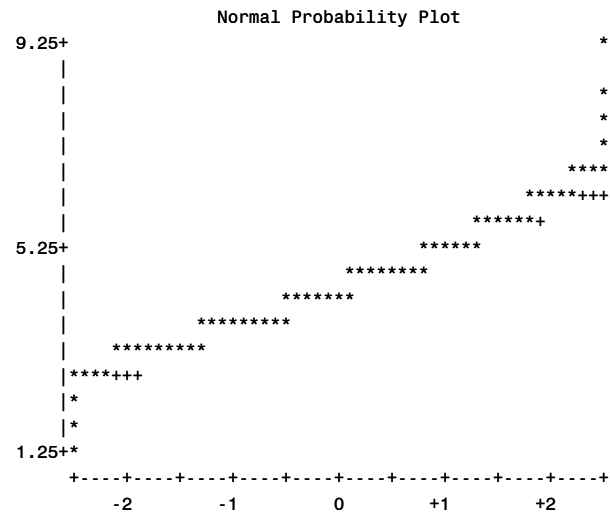
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1FND (Corrected Femoral Neck BMD (g/cm2))

Moments			
N	5993	Sum Weights	5993
Mean	0.78418771	Sum Observations	4699.63693
Std Deviation	0.1281201	Variance	0.01641476
Skewness	0.56882356	Kurtosis	1.05012631
Uncorrected SS	3783.75476	Corrected SS	98.3572443
Coeff Variation	16.337938	Std Error Mean	0.00165499

Basic Statistical Measures			
Location		Variability	
Mean	0.784188	Std Deviation	0.12812
Median	0.773551	Variance	0.01641
Mode	.	Range	1.32562
		Interquartile Range	0.16390

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	473.8326	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.598350
99%	1.140564
95%	1.007862
90%	0.949525
75% Q3	0.860136
50% Median	0.773551
25% Q1	0.696231
10%	0.630268
5%	0.591928
1%	0.529095
0% Min	0.272729

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1FND (Corrected Femoral Neck BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.272729	PO6873	4342	1.34760	PO6890	4359
0.348280	PO7047	4516	1.38169	SD8841	5817
0.356539	SD8108	5089	1.46691	PO6848	4317
0.403934	PI4554	3023	1.49072	MN1940	1408
0.440158	PO6661	4132	1.59835	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00

```
                Histogram                        #  Boxplot
   1.55+*                                         1     *
       .*                                         2     *
       .*                                         5     0
       .*                                        16     0
       .**                                       73     0
       .******                                  236     |
       .*****************                       701     |
       .********************************       1455  +-----+
       .************************************** 1946  *--+--*
       .***************************           1209  +-----+
       .*********                              329     |
       .*                                       17     0
       .*                                        2     0
   0.25+*                                        1     0
       ----+----+----+----+----+----+----+----+----+---
       * may represent up to 41 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1FND (Corrected Femoral Neck BMD (g/cm2))

```
                        Normal Probability Plot
    1.55+                                         *
        |                                         *
        |                                         *
        |                                         *
        |                                      *****
        |                                 ******+++
        |                            *******
        |                        ********
        |                   *********
        |             ***********
        |**********+
        |*++
        |*
    0.25+*
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```
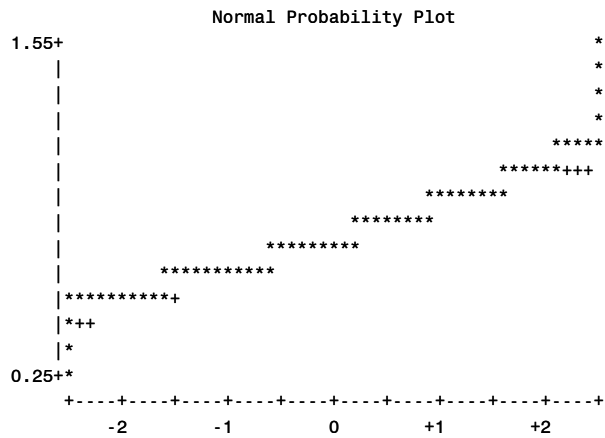
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1WDA (Wards Area (cm2))

Moments			
N	5993	Sum Weights	5993
Mean	1.11459962	Sum Observations	6679.79554
Std Deviation	0.06038386	Variance	0.00364621
Skewness	-0.140907	Kurtosis	14.3062719
Uncorrected SS	7467.14568	Corrected SS	21.8480911
Coeff Variation	5.41753786	Std Error Mean	0.00078001

Basic Statistical Measures			
Location		Variability	
Mean	1.114600	Std Deviation	0.06038
Median	1.113521	Variance	0.00365
Mode	1.132146	Range	1.34532
		Interquartile Range	0.04486

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	1428.96	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.502835
99%	1.279697
95%	1.269972
90%	1.170576
75% Q3	1.133453
50% Median	1.113521
25% Q1	1.088592
10%	1.054570
5%	1.015180
1%	0.992257
0% Min	0.157516

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1WDA (Wards Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.157516	PO7412	4877	1.27970	PI5495	3964
0.502082	PO7413	4878	1.27970	PI5498	3967
0.758896	SD8966	5942	1.27970	PI5502	3971
0.777735	PO6961	4430	1.27970	PI5505	3974
0.797424	PO6531	4004	1.50284	MN2191	1659

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00

```
                    Histogram                    #  Boxplot
   1.55+*                                         1     *
       .
       .
       .********                                473     0
       .**********************************************  3004  +--+--+
       .***********************************    2428  +--0--+
       .**                                      77     0
   0.85+*                                        5     *
       .*                                        3     *
       .
       .*                                        1     *
       .
       .
       .
   0.15+*                                        1     *
       ----+----+----+----+----+----+----+----+----+---
       * may represent up to 63 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1WDA (Wards Area (cm2))

```
                    Normal Probability Plot
    1.55+                                           *
        |
        |
        |                              ************
        |                     ****************
        |     ********************
        |****+++
    0.85+*
        |*
        |
        |*
        |
        |
        |
    0.15+*
         +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```
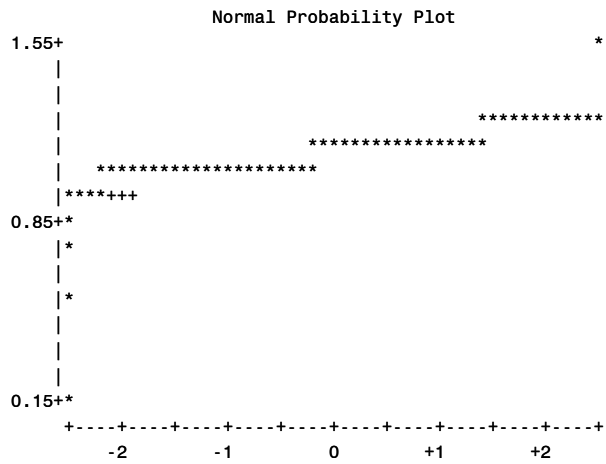
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1WDC (Wards BMC (g))

Moments			
N	5993	Sum Weights	5993
Mean	0.61409347	Sum Observations	3680.26214
Std Deviation	0.16904224	Variance	0.02857528
Skewness	0.85176618	Kurtosis	1.54414378
Uncorrected SS	2431.24801	Corrected SS	171.223076
Coeff Variation	27.5271195	Std Error Mean	0.0021836

Basic Statistical Measures			
Location		Variability	
Mean	0.614093	Std Deviation	0.16904
Median	0.590117	Variance	0.02858
Mode	.	Range	1.59971
		Interquartile Range	0.20960

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	281.2298	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.6133124
99%	1.1070421
95%	0.9220778
90%	0.8351177
75% Q3	0.7062744
50% Median	0.5901168
25% Q1	0.4966734
10%	0.4237242
5%	0.3795924
1%	0.3047526
0% Min	0.0135994

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1WDC (Wards BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.0135994	SD8108	5089	1.43918	MN2105	1573
0.0741429	PO6873	4342	1.48665	MN2058	1526
0.0859841	PI4554	3023	1.57341	MN1717	1185
0.0861180	PO7047	4516	1.58236	PO6920	4389
0.1575435	PO7224	4689	1.61331	PI5117	3586

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
N	1	0.02	100.00

```
                    Histogram                    #  Boxplot
     1.65+*                                       1     *
         .*                                       2     *
         .*                                       2     *
         .*                                       4     0
         .*                                      18     0
         .**                                     40     0
         .****                                  101     0
         .*******                               200     |
     0.85+*************                         398     |
         .************************              796  +-----+
         .**************************************    1306  |  +  |
         .*************************************************  1581  *-----*
         .********************************      1126  +-----+
         .***********                           363     |
         .**                                     48     |
         .*                                       3     0
     0.05+*                                       4     0
         ----+----+----+----+----+----+----+----+---
          * may represent up to 33 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1WDC (Wards BMC (g))

```
                        Normal Probability Plot
      1.65+                                         *
          |                                         *
          |                                         *
          |                                         *
          |                                         *
          |                                       ***
          |                                   *****++
          |                                *****+++
      0.85+                             *****+
          |                          ******
          |                      +******
          |                  *********
          |              *********
          |  **********++
          |**+++++
          |*
      0.05+*
          +----+----+----+----+----+----+----+----+----+----+
              -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1WDD (Wards BMD (g/cm2))

Moments			
N	5993	Sum Weights	5993
Mean	0.54998782	Sum Observations	3296.077
Std Deviation	0.14319146	Variance	0.0205038
Skewness	0.75663649	Kurtosis	1.72464773
Uncorrected SS	1935.66094	Corrected SS	122.858742
Coeff Variation	26.0353882	Std Error Mean	0.00184967

Basic Statistical Measures			
Location		Variability	
Mean	0.549988	Std Deviation	0.14319
Median	0.533464	Variance	0.02050
Mode	.	Range	1.52977
		Interquartile Range	0.18196

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	297.3432	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.5417652
99%	0.9395191
95%	0.8075067
90%	0.7375854
75% Q3	0.6325932
50% Median	0.5334643
25% Q1	0.4506299
10%	0.3858887
5%	0.3434375
1%	0.2761818
0% Min	0.0119986

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1WDD (Wards BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.0119986	SD8108	5089	1.26610	MN1717	1185
0.0654888	PO6873	4342	1.41078	PO7412	4877
0.0760662	PO7047	4516	1.41417	PI5117	3586
0.0841518	PI4554	3023	1.45041	MN2105	1573
0.1607030	PO6661	4132	1.54177	PO7413	4878

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00
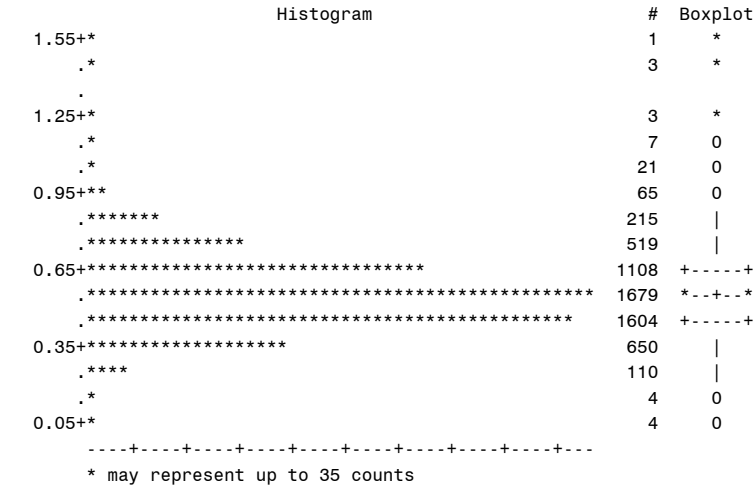
```
                     Histogram            #  Boxplot
    1.55+*                                 1     *
        .*                                 3     *
        .
    1.25+*                                 3     *
        .*                                 7     0
        .*                                21     0
   0.95+**                                65     0
        .*******                         215     |
        .**************                  519     |
   0.65+*******************************  1108  +-----+
        .************************************************* 1679  *--+--*
        .*********************************************  1604  +-----+
   0.35+*******************             650     |
        .****                          110     |
        .*                               4     0
   0.05+*                                4     0
        ----+----+----+----+----+----+----+----+----+---
         * may represent up to 35 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1WDD (Wards BMD (g/cm2))

```
                     Normal Probability Plot
  1.55+                                          *
      |                                          *
      |
  1.25+                                          *
      |                                          *
      |                                          *
  0.95+                                     *****
      |                                *******+++
      |                          ******+
  0.65+                    +*******
      |                *********
      |             *********
  0.35+       ***********
      |*****+++
      |*
  0.05+*
      +----+----+----+----+----+----+----+----+----+----+
         -2        -1         0        +1        +2
```
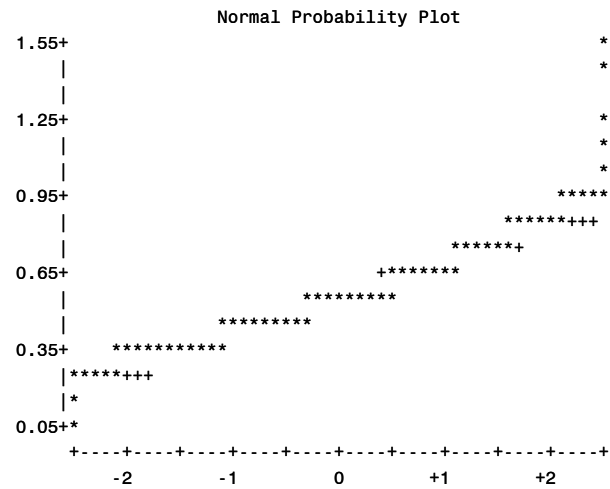
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1THA (Total Hip Area (cm2))

Moments			
N	5993	Sum Weights	5993
Mean	43.3827341	Sum Observations	259992.725
Std Deviation	4.22749139	Variance	17.8716834
Skewness	0.3769808	Kurtosis	0.5904487
Uncorrected SS	11386282.4	Corrected SS	107087.127
Coeff Variation	9.74464029	Std Error Mean	0.05460854

Basic Statistical Measures			
Location		Variability	
Mean	43.38273	Std Deviation	4.22749
Median	43.11200	Variance	17.87168
Mode	38.77508	Range	40.74195
		Interquartile Range	5.60901

Note: The mode displayed is the smallest of 5 modes with a count of 5.

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	794.4313	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	71.0692
99%	54.2273
95%	50.7316
90%	48.8792
75% Q3	46.0388
50% Median	43.1120
25% Q1	40.4298
10%	38.2208
5%	36.9789
1%	34.4030
0% Min	30.3273

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1THA (Total Hip Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
30.3273	PA3817	2787	60.1223	PA3220	2193
31.1192	PO7457	4922	60.1612	PO7516	4980
31.3414	SD8435	5411	61.6796	PA3587	2558
31.4441	PO6937	4406	65.0996	PA3625	2596
31.5790	PA3822	2792	71.0692	PO7292	4757

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00

```
                 Histogram                           #  Boxplot
    71+*                                             1     *
      .
    67+
      .*                                             1     *
    63+
      .*                                             4     0
    59+*                                             4     0
      .*                                            17     0
    55+**                                           41     0
      .****                                         93     |
    51+*********                                   240     |
      .****************                            416     |
    47+**************************                  696  +-----+
      .**************************************      993  |     |
    43+**********************************************  1160  *--+--*
      .*****************************************    1038  +-----+
    39+*******************************             751     |
      .***************                            358     |
    35+******                                     134     |
      .**                                          36     |
    31+*                                           10     0
      ----+----+----+----+----+----+----+----+--
      * may represent up to 25 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1THA (Total Hip Area (cm2))

```
                   Normal Probability Plot
   71+                                        *
     |
   67+
     |                                       *
   63+
     |                                      *
   59+                                      *
     |                                     *
   55+                                   ***
     |                                *****++
   51+                             *****+
     |                           *****
   47+                         *****
     |                      ******
   43+                   ******
     |                 ******
   39+             ******
     |          *******
   35+ ******+
     |**+
   31+*
     +----+----+----+----+----+----+----+----+----+----+
        -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1THC (Total Hip BMC (g))

Moments			
N	5993	Sum Weights	5993
Mean	41.5776241	Sum Observations	249174.701
Std Deviation	7.544221	Variance	56.9152705
Skewness	0.45644243	Kurtosis	0.70832577
Uncorrected SS	10701128.4	Corrected SS	341036.301
Coeff Variation	18.1449065	Std Error Mean	0.09745234

Basic Statistical Measures			
Location		Variability	
Mean	41.57762	Std Deviation	7.54422
Median	41.06886	Variance	56.91527
Mode	.	Range	68.99384
		Interquartile Range	9.82251

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	426.6457	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	82.0135
99%	61.2221
95%	54.6247
90%	51.3898
75% Q3	46.1891
50% Median	41.0689
25% Q1	36.3666
10%	32.5171
5%	30.1496
1%	25.8355
0% Min	13.0197

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1THC (Total Hip BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
13.0197	PO6873	4342	74.6906	MN2461	1929
20.3174	SD8108	5089	75.7491	PO7190	4655
20.4734	BI0104	102	78.1999	SD8661	5637
20.5683	SD8140	5121	81.0933	PO6848	4317
21.0320	SD8568	5544	82.0135	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00

```
                     Histogram              #  Boxplot
     82.5+*                                 2     *
         .*                                 2     *
         .*                                 7     0
         .*                                18     0
         .**                               47     0
         .*******                         201     |
         .****************                519     |
     47.5+******************************* 1020 +-----+
         .********************************************** 1536 *--+--*
         .********************************************** 1519 +-----+
         .************************         841    |
         .********                         246    |
         .**                                34    0
         .
     12.5+*                                  1    0
         ----+----+----+----+----+----+----+----+----+---
          * may represent up to 32 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1THC (Total Hip BMC (g))

```
                     Normal Probability Plot
     82.5+                                     *
         |                                     *
         |                                     *
         |                                     *
         |                                 ****
         |                              ******++
         |                           *******
     47.5+                        *******
         |                    +*******
         |                 *********
         |            *********
         |*********+
         |*+++
         |
     12.5+*
          +----+----+----+----+----+----+----+----+----+----+
              -2        -1         0        +1        +2
```
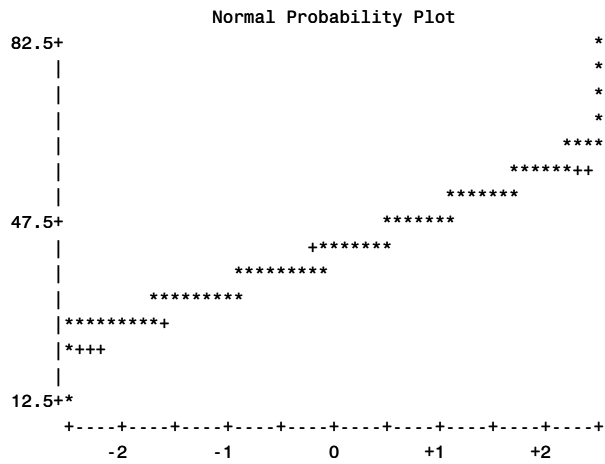
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1THD (Corrected Total Hip BMD (g/cm2))

Moments			
N	5993	Sum Weights	5993
Mean	0.95757367	Sum Observations	5738.73903
Std Deviation	0.14050725	Variance	0.01974229
Skewness	0.25259245	Kurtosis	0.48786643
Uncorrected SS	5613.5612	Corrected SS	118.295778
Coeff Variation	14.6732569	Std Error Mean	0.001815

Basic Statistical Measures			
Location		Variability	
Mean	0.957574	Std Deviation	0.14051
Median	0.951281	Variance	0.01974
Mode	.	Range	1.45776
		Interquartile Range	0.18716

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	527.5889	Pr > |t|	<.0001
Sign	M	2996.5	Pr >= |M|	<.0001
Signed Rank	S	8980511	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.763896
99%	1.305877
95%	1.198100
90%	1.141356
75% Q3	1.049752
50% Median	0.951281
25% Q1	0.862595
10%	0.784190
5%	0.736502
1%	0.647843
0% Min	0.306135

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1THD (Corrected Total Hip BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.306135	PO6873	4342	1.48776	PO6920	4389
0.454068	SD8108	5089	1.50473	SD8841	5817
0.499678	PA3523	2494	1.56257	PI5431	3900
0.509475	BI0104	102	1.72724	PO6848	4317
0.525590	SD8889	5865	1.76390	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00

```
                        Histogram                      #   Boxplot
      1.75+*                                            2      *
          .
          .*                                            2      0
          .*                                           12      0
          .**                                          50      0
          .*******                                    227      |
          .****************                           608      |
      1.05+**********************************        1289   +-----+
          .*************************************************  1718   *--+--*
          .*************************************     1355   +-----+
          .****************                          574      |
          .****                                      134      |
          .*                                          19      0
          .*                                           2      0
      0.35+*                                            1      0
          ----+----+----+----+----+----+----+----+----+---
          * may represent up to 36 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1THD (Corrected Total Hip BMD (g/cm2))

```
                         Normal Probability Plot
     1.75+                                        *
         |
         |                                      *
         |                                      *
         |                                    ***
         |                              *******+
         |                        *******
     1.05+                    ********
         |                 *******
         |             ********
         |         ********
         |*******
         |*
         |*
     0.35+*
         +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```
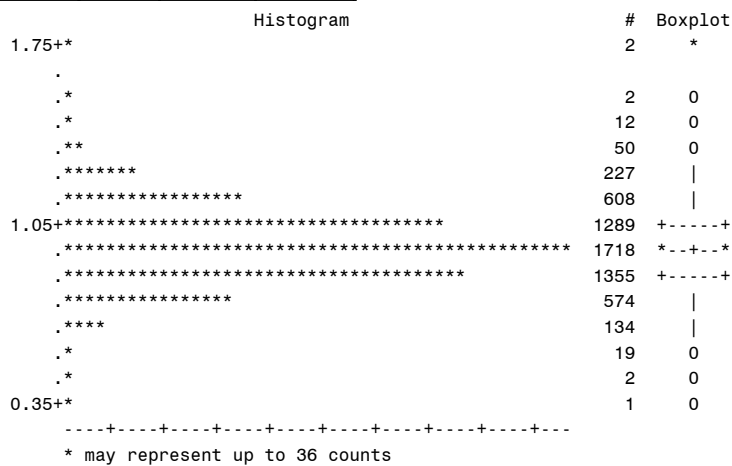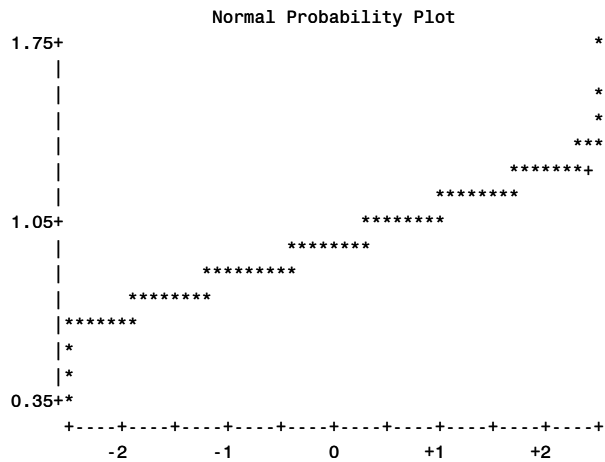
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L1A (L1 Area (cm2))

Moments			
N	5959	Sum Weights	5959
Mean	15.8184344	Sum Observations	94262.0503
Std Deviation	1.81028095	Variance	3.27711713
Skewness	0.40105166	Kurtosis	1.21392833
Uncorrected SS	1510603.12	Corrected SS	19525.0639
Coeff Variation	11.4441222	Std Error Mean	0.02345089

Basic Statistical Measures			
Location		Variability	
Mean	15.81843	Std Deviation	1.81028
Median	15.75020	Variance	3.27712
Mode	14.53812	Range	19.67490
		Interquartile Range	2.36332

Note: The mode displayed is the smallest of 4 modes with a count of 8.

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	674.5346	Pr > |t|	<.0001
Sign	M	2979.5	Pr >= |M|	<.0001
Signed Rank	S	8878910	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	29.6391
99%	20.5360
95%	18.8429
90%	18.0985
75% Q3	16.9587
50% Median	15.7502
25% Q1	14.5954
10%	13.6019
5%	13.0449
1%	11.9020
0% Min	9.9642

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L1A (L1 Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
9.9642	BI0873	864	24.2807	BI0237	234
10.1178	BI0023	22	24.4753	BI0893	884
10.1616	MN1812	1280	24.5154	PI5026	3495
10.1716	MN2043	1511	24.8918	PO6809	4278
10.1793	BI0258	254	29.6391	PI5004	3473

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	32	0.53	91.43
N	3	0.05	8.57
Total	35	0.58	100.00

```
                  Histogram                   #  Boxplot
   29.5+*                                      1     *
       .
   27.5+
       .
   25.5+
       .*                                      4     *
   23.5+*                                       5     0
       .*                                      7     0
   21.5+*                                      18     0
       .***                                    66     0
   19.5+******                                148     |
       .**************                        393     |
   17.5+**************************            794     |
       .****************************************  1194  +-----+
   15.5+*********************************************  1345  *--+--*
       .************************************   1107  +-----+
   13.5+********************                   599     |
       .********                              208     |
   11.5+**                                     55     |
       .*                                      14     0
    9.5+*                                       1     0
       ----+----+----+----+----+----+----+----+--
       * may represent up to 29 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L1A (L1 Area (cm2))

```
                   Normal Probability Plot
    29.5+                                        *
        |
    27.5+
        |
    25.5+
        |                                      *
    23.5+                                      *
        |                                      *
    21.5+                                      *
        |                                 *****
    19.5+                             *****++
        |                          ******
    17.5+                      ******
        |                   *******
    15.5+                ******
        |             *******
    13.5+       ********
        |   *******+
    11.5+***+
        |*
     9.5+*
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
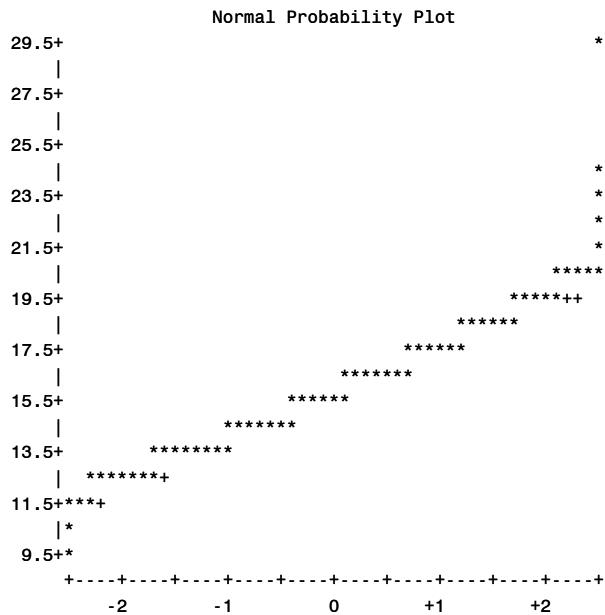
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L1C (L1 BMC (g))

Moments			
N	5959	Sum Weights	5959
Mean	15.6276211	Sum Observations	93124.9941
Std Deviation	3.91347158	Variance	15.3152598
Skewness	0.71994214	Kurtosis	1.32081213
Uncorrected SS	1546570.44	Corrected SS	91248.318
Coeff Variation	25.0420173	Std Error Mean	0.05069621

Basic Statistical Measures			
Location		Variability	
Mean	15.62762	Std Deviation	3.91347
Median	15.23208	Variance	15.31526
Mode	.	Range	32.69412
		Interquartile Range	4.91609

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	308.2601	Pr > |t|	<.0001
Sign	M	2979.5	Pr >= |M|	<.0001
Signed Rank	S	8878910	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	36.74158
99%	27.19985
95%	22.49978
90%	20.71450
75% Q3	17.86595
50% Median	15.23208
25% Q1	12.94987
10%	11.09577
5%	9.97757
1%	7.93452
0% Min	4.04746

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L1C (L1 BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
4.04746	SD8028	5009	33.9087	PO6848	4317
4.69238	PO6873	4342	34.6099	PA3507	2478
5.60974	PA3578	2549	35.4624	PO7202	4667
5.77991	BI0873	864	36.1834	SD8661	5637
5.93643	SD8114	5095	36.7416	MN2202	1670

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	32	0.53	91.43
N	3	0.05	8.57
Total	35	0.58	100.00

```
                  Histogram                      #  Boxplot
      37+*                                        2     *
        .*                                        2     *
        .*                                        9     0
        .*                                        7     0
        .*                                       21     0
        .**                                      47     0
        .***                                     82     0
        .*******                                178     |
      21+***************                        417     |
        .***********************                675     |
        .*********************************      1041  +-----+
        .************************************** 1345  *--+--*
        .*************************************  1145  +-----+
        .***********************                683     |
        .*********                              238     |
        .***                                    61      |
       5+*                                       6     0
        ----+----+----+----+----+----+----+----+--
         * may represent up to 29 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L1C (L1 BMC (g))

```
                         Normal Probability Plot
     37+                                         *
       |                                         *
       |                                         *
       |                                         *
       |                                         *
       |                                      ****
       |                                    ****+++
       |                                 ****++
     21+                             ******
       |                           *****
       |                       +******
       |                     *******
       |                  *******
       |              *******
       |    ********+
       |***+++
      5+*
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```
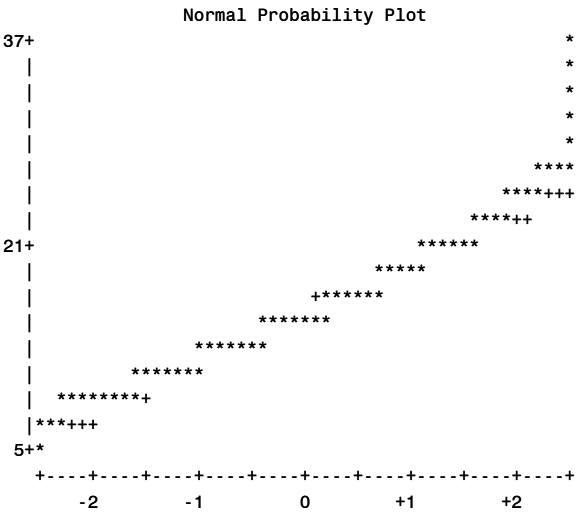
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L1D (L1 BMD (g/cm2))

Moments			
N	5959	Sum Weights	5959
Mean	0.97985735	Sum Observations	5838.96996
Std Deviation	0.17692449	Variance	0.03130227
Skewness	0.50786776	Kurtosis	1.09642162
Uncorrected SS	5907.85659	Corrected SS	186.498952
Coeff Variation	18.0561475	Std Error Mean	0.00229193

Basic Statistical Measures			
Location		Variability	
Mean	0.979857	Std Deviation	0.17692
Median	0.968156	Variance	0.03130
Mode	.	Range	1.67816
		Interquartile Range	0.22674

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	427.5251	Pr > |t|	<.0001
Sign	M	2979.5	Pr >= |M|	<.0001
Signed Rank	S	8878910	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.976853
99%	1.453354
95%	1.285990
90%	1.205122
75% Q3	1.086576
50% Median	0.968156
25% Q1	0.859835
10%	0.769993
5%	0.709801
1%	0.608379
0% Min	0.298691

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L1D (L1 BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.298691	SD8028	5009	1.80902	PO7190	4655
0.355817	PO6873	4342	1.83203	PO7202	4667
0.417789	SD8108	5089	1.84130	PO6848	4317
0.426987	SD8480	5456	1.91394	SD8087	5068
0.466111	PA3578	2549	1.97685	SD8701	5677

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	32	0.53	91.43
N	3	0.05	8.57
Total	35	0.58	100.00

```
              Histogram                          #   Boxplot
   1.95+*                                         2      *
       .*                                         3      *
       .*                                         7      0
       .*                                         5      0
       .*                                        26      0
       .***                                      61      0
       .******                                  160      |
       .************                            360      |
       .************************                732      |
       .**************************************** 1170  +-----+
       .*************************************************  1402  *--+--*
       .*****************************************  1203  +-----+
       .********************                     572      |
       .*******                                  205      |
       .**                                        43      0
       .*                                          6      0
       .*                                          1      0
   0.25+*                                          1      0
       ----+----+----+----+----+----+----+----+--
       * may represent up to 30 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L1D (L1 BMD (g/cm2))

```
                       Normal Probability Plot
   1.95+                                        *
       |                                        *
       |                                        *
       |                                        *
       |                                       **
       |                                    ****+
       |                                  *****++
       |                              *****+
       |                          *******
       |                      ******
       |                   *******
       |               ********
       |           *******
       |  ********+
       |**++
       |*
       |*
   0.25+*
       +----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```
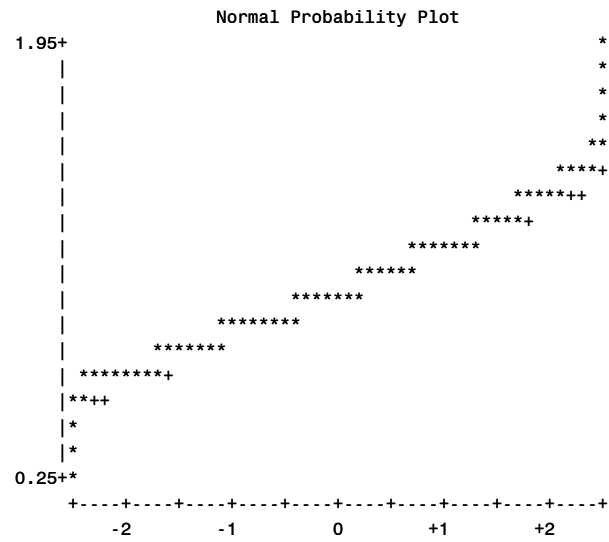
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L2A (L2 Area (cm2))

Moments			
N	5970	Sum Weights	5970
Mean	16.7002967	Sum Observations	99700.7714
Std Deviation	1.82257861	Variance	3.32179279
Skewness	0.33448104	Kurtosis	1.01687447
Uncorrected SS	1684860.25	Corrected SS	19827.7811
Coeff Variation	10.9134505	Std Error Mean	0.02358843

Basic Statistical Measures			
Location		Variability	
Mean	16.70030	Std Deviation	1.82258
Median	16.63090	Variance	3.32179
Mode	17.18672	Range	20.75155
		Interquartile Range	2.34453

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	707.9867	Pr > |t|	<.0001
Sign	M	2985	Pr >= |M|	<.0001
Signed Rank	S	8911718	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	30.12364
99%	21.43294
95%	19.74796
90%	19.00083
75% Q3	17.84223
50% Median	16.63090
25% Q1	15.49770
10%	14.44925
5%	13.87311
1%	12.70451
0% Min	9.37209

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L2A (L2 Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
9.37209	PA3283	2256	24.8350	PI4934	3403
9.87204	BI0834	825	24.9812	SD8816	5792
9.99559	PO6601	4074	25.0309	PI5287	3756
10.77231	MN1601	1070	25.1655	SD8584	5560
10.86241	MN1812	1280	30.1236	PI4872	3341

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	21	0.35	87.50
N	3	0.05	12.50
Total	24	0.40	100.00

```
                    Histogram               #  Boxplot
    30.5+*                                   1     *
        .
        .
        .
        .
        .*                                   2     *
        .*                                   4     0
    23.5+*                                   7     0
        .*                                  21     0
        .***                                60     0
        .*****                             141     |
        .*************                     361     |
        .************************          734     |
        .************************************       1142  +-----+
    16.5+*********************************************  1371  *--+--*
        .**********************************    1122  +-----+
        .**********************              650     |
        .**********                          264     |
        .***                                 70     |
        .*                                   13     0
        .*                                    4     0
     9.5+*                                    3     0
        ----+----+----+----+----+----+----+----+----+---
        * may represent up to 29 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L2A (L2 Area (cm2))

```
                        Normal Probability Plot
   30.5+                                        *
       |
       |
       |
       |
       |                                      *
       |                                      *
   23.5+                                      *
       |                                      *
       |                                  *****
       |                             ****++
       |                          ******
       |                      ******
       |                  *******
   16.5+              *******
       |            *******
       |         *******
       |    *******+
       |****+
       |*
       |*
    9.5+*
       +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```
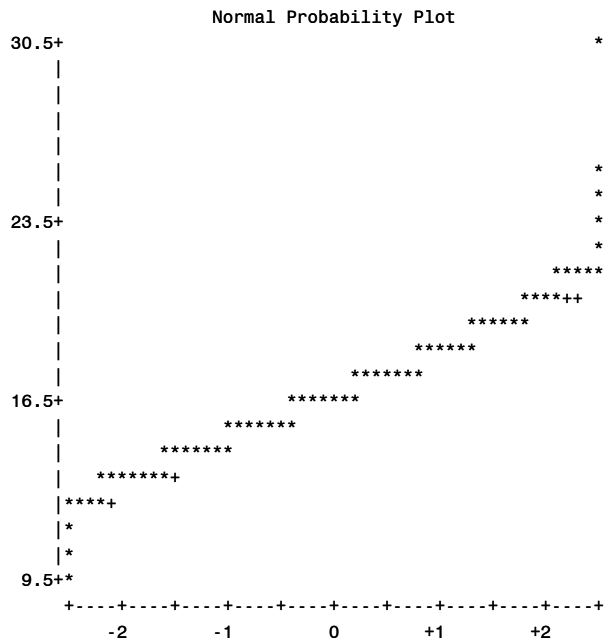
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L2C (L2 BMC (g))

Moments			
N	5970	Sum Weights	5970
Mean	17.8184059	Sum Observations	106375.883
Std Deviation	4.28976019	Variance	18.4020425
Skewness	0.71430796	Kurtosis	1.57839395
Uncorrected SS	2005290.46	Corrected SS	109841.792
Coeff Variation	24.074882	Std Error Mean	0.05551954

Basic Statistical Measures			
Location		Variability	
Mean	17.81841	Std Deviation	4.28976
Median	17.42152	Variance	18.40204
Mode	.	Range	42.23302
		Interquartile Range	5.39428

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	320.9394	Pr > |t|	<.0001
Sign	M	2985	Pr >= |M|	<.0001
Signed Rank	S	8911718	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	47.69670
99%	30.16282
95%	25.40603
90%	23.27611
75% Q3	20.29666
50% Median	17.42152
25% Q1	14.90238
10%	12.82832
5%	11.54833
1%	9.30319
0% Min	5.46368

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L2C (L2 BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
5.46368	SD8108	5089	36.6787	PI4751	3220
5.88428	PA3283	2256	36.9138	PO6858	4327
5.93508	SD8666	5642	38.1912	PO6848	4317
6.13267	BI0728	720	47.6589	PI4872	3341
6.49283	PO6873	4342	47.6967	SD8584	5560

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	21	0.35	87.50
N	3	0.05	12.50
Total	24	0.40	100.00

```
                      Histogram                       #  Boxplot
      47+*                                             2     *
        .
        .
        .
        .*                                             1     *
        .*                                             4     0
        .*                                             7     0
      33+*                                            19     0
        .**                                           30     0
        .***                                          63     0
        .*****                                       112     |
        .**********                                  244     |
        .****************                            424     |
        .**************************                  714  +-----+
      19+****************************************   1023  |     |
        .*************************************************  1156  *--+--*
        .*************************************************  1144  +-----+
        .*************************                   642     |
        .************                                280     |
        .****                                         86     |
        .*                                            16     0
       5+*                                             3     0
        ----+----+----+----+----+----+----+----+----+--
        * may represent up to 25 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L2C (L2 BMC (g))

```
                      Normal Probability Plot
    47+                                        *
       |
       |
       |
       |                                    *
       |                                    *
       |                                    *
    33+                                    *
       |                                 ***
       |                              ****++
       |                             ***+++
       |                           *****+
       |                        *****
       |                      *****
    19+                     ******
       |                  +*****
       |               *******
       |            *******
       |        *******+
       |*****++
       |*++
     5+*
       +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```
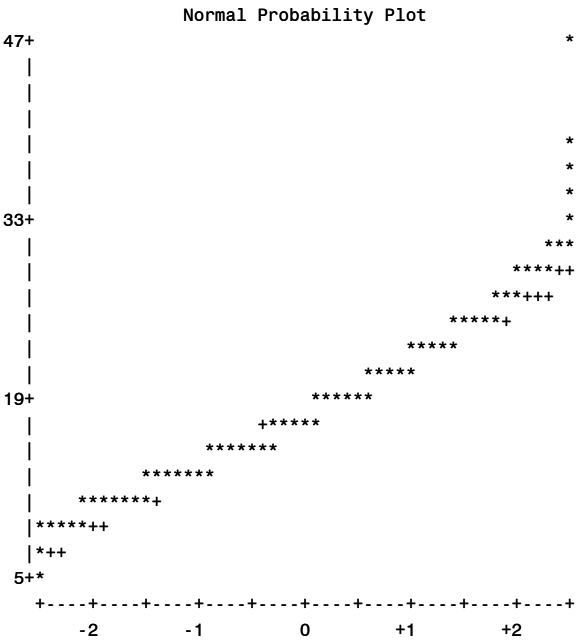
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L2D (L2 BMD (g/cm2))

Moments			
N	5970	Sum Weights	5970
Mean	1.06034079	Sum Observations	6330.2345
Std Deviation	0.19339834	Variance	0.03740292
Skewness	0.55309687	Kurtosis	1.11381794
Uncorrected SS	6935.46384	Corrected SS	223.258007
Coeff Variation	18.2392621	Std Error Mean	0.00250303

Basic Statistical Measures			
Location		Variability	
Mean	1.060341	Std Deviation	0.19340
Median	1.047115	Variance	0.03740
Mode	.	Range	1.84393
		Interquartile Range	0.24809

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	423.6234	Pr > |t|	<.0001
Sign	M	2985	Pr >= |M|	<.0001
Signed Rank	S	8911718	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.256806
99%	1.606618
95%	1.398941
90%	1.297891
75% Q3	1.176151
50% Median	1.047115
25% Q1	0.928061
10%	0.832194
5%	0.772701
1%	0.658687
0% Min	0.412878

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L2D (L2 BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.412878	SD8108	5089	1.94073	SD8701	5677
0.415088	SD8666	5642	1.96422	SD8087	5068
0.445353	PO6873	4342	1.98579	MN1608	1077
0.482018	MN1558	1027	2.01562	PO6848	4317
0.486872	BI0728	720	2.25681	PO7009	4478

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	21	0.35	87.50
N	3	0.05	12.50
Total	24	0.40	100.00

```
                   Histogram                        #  Boxplot
   2.25+*                                           1     *
       .
       .*                                           1     *
       .*                                           4     0
       .*                                           4     0
       .*                                          18     0
       .**                                         36     0
       .***                                        76     0
       .******                                    156     |
   1.35+**********                                 293     |
       .************************                  701     |
       .***********************************      1012  +-----+
       .**************************************** 1287  *--+--*
       .****************************************  1183  +-----+
       .***************************               771     |
       .************                              309     |
       .****                                       96     |
       .*                                          17     0
   0.45+*                                           5     0
       ----+----+----+----+----+----+----+----+---
       * may represent up to 27 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L2D (L2 BMD (g/cm2))

```
                      Normal Probability Plot
       2.25+                                   *
           |
           |                                 *
           |                                 *
           |                                 *
           |                                 *
           |                               ***
           |                             ****++
           |                           *****++
       1.35+                         ****+
           |                       ******
           |                     ******
           |                   *******
           |                 ******
           |               ********
           |           *******+
           |*****++
           |*+
       0.45+*
           +----+----+----+----+----+----+----+----+----+----+
               -2        -1         0        +1        +2
```
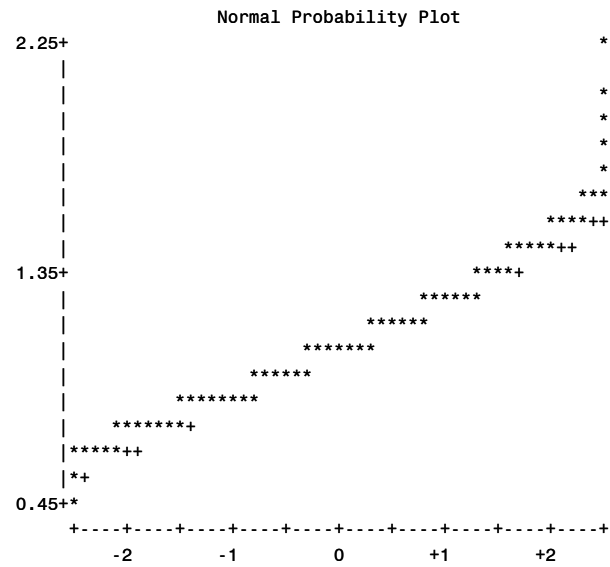
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L3A (L3 Area (cm2))

Moments			
N	5959	Sum Weights	5959
Mean	17.8719199	Sum Observations	106498.771
Std Deviation	1.87511366	Variance	3.51605124
Skewness	0.22097469	Kurtosis	0.60934759
Uncorrected SS	1924286.14	Corrected SS	20948.6333
Coeff Variation	10.4919542	Std Error Mean	0.02429075

Basic Statistical Measures			
Location		Variability	
Mean	17.87192	Std Deviation	1.87511
Median	17.80858	Variance	3.51605
Mode	17.64473	Range	19.01676
		Interquartile Range	2.45274

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	735.7501	Pr > |t|	<.0001
Sign	M	2979.5	Pr >= |M|	<.0001
Signed Rank	S	8878910	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	29.2886
99%	22.6319
95%	20.9771
90%	20.2499
75% Q3	19.0816
50% Median	17.8086
25% Q1	16.6288
10%	15.5773
5%	14.8969
1%	13.6156
0% Min	10.2718

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L3A (L3 Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
10.2718	PO6772	4241	25.4020	PI4934	3403
11.4831	MN1812	1280	26.0874	SD8661	5637
11.5003	BI0248	245	26.2205	SD8584	5560
11.8836	MN1601	1070	26.7231	PO7033	4502
11.9017	SD8593	5569	29.2886	PI5182	3651

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	32	0.53	91.43
N	3	0.05	8.57
Total	35	0.58	100.00

```
                      Histogram                          #  Boxplot
   29.5+*                                                 1     *
       .
       .
       .*                                                 3     0
       .*                                                 2     0
       .*                                                 6     0
       .*                                                19     0
       .***                                              81     0
       .*******                                         181     |
       .***************                                 441     |
       .**************************                      836  +-----+
       .******************************************     1165  |     |
       .*********************************************  1317  *--+--*
       .********************************               987  +-----+
       .********************                           586     |
       .*********                                      234     |
       .***                                             76     |
       .*                                               19     0
       .*                                                4     0
   10.5+*                                                1     0
        ----+----+----+----+----+----+----+----+----+---
        * may represent up to 28 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L3A (L3 Area (cm2))

```
                    Normal Probability Plot
    29.5+                                        *
        |
        |
        |                                    *
        |                                    *
        |                                    *
        |                                    *
        |                                 *****
        |                              *****+
        |                            ******
        |                        *******
        |                      ******
        |                   *******
        |                ******
        |             *******
        |         ******
        |      ******
        |*****
        |*
        |*
    10.5+*
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L3C (L3 BMC (g))

Moments			
N	5959	Sum Weights	5959
Mean	19.7242646	Sum Observations	117536.893
Std Deviation	4.69321051	Variance	22.0262249
Skewness	0.72421131	Kurtosis	1.39156923
Uncorrected SS	2449561.03	Corrected SS	131232.248
Coeff Variation	23.7940962	Std Error Mean	0.06079717

Basic Statistical Measures			
Location		Variability	
Mean	19.72426	Std Deviation	4.69321
Median	19.23986	Variance	22.02622
Mode	.	Range	45.43538
		Interquartile Range	5.91190

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	324.4274	Pr > |t|	<.0001
Sign	M	2979.5	Pr >= |M|	<.0001
Signed Rank	S	8878910	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	51.63088
99%	33.38008
95%	27.99964
90%	25.72062
75% Q3	22.42520
50% Median	19.23986
25% Q1	16.51330
10%	14.18641
5%	12.96919
1%	10.62851
0% Min	6.19551

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L3C (L3 BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
6.19551	MN1558	1027	41.9931	BI0577	569
7.38913	SD8145	5126	42.0432	MN2222	1690
7.62182	MN2092	1560	42.9710	PO6848	4317
7.71784	MN1903	1371	43.9978	MN1608	1077
8.05022	PO6772	4241	51.6309	SD8584	5560

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	32	0.53	91.43
N	3	0.05	8.57
Total	35	0.58	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L3C (L3 BMC (g))

```
               Histogram            #  Boxplot
   51+*                             1     *
      .
      .
      .
      .*                            3     *
      .*                            3     *
      .*                            8     0
      .*                            9     0
      .**                          26     0
      .**                          46     0
      .****                        78     0
   29+******                      123     |
      .**********                 253     |
      .******************         444     |
      .*************************  654  +-----+
      .****************************************  934  |     |
      .*************************************************  1113  *--+--*
      .*****************************************  1003  +-----+
      .****************************     717     |
      .*****************           388     |
      .*****                       114     |
      .**                           38     |
    7+*                             4     0
      ----+----+----+----+----+----+----+----+--
      * may represent up to 24 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L3C (L3 BMC (g))

```
                   Normal Probability Plot
   51+                                    *
     |
     |
     |
     |                                 *
     |                                 *
     |                                 *
     |                                 *
     |                                **
     |                              ****
     |                           ***++++
   29+                         ****++
     |                       ****+
     |                     ****
     |                   +*****
     |                 +*****
     |                ******
     |              ******
     |            ******
     |          *******
     |  ******++
     |*++++
    7+*
     +----+----+----+----+----+----+----+----+----+----+
        -2        -1         0        +1        +2
```
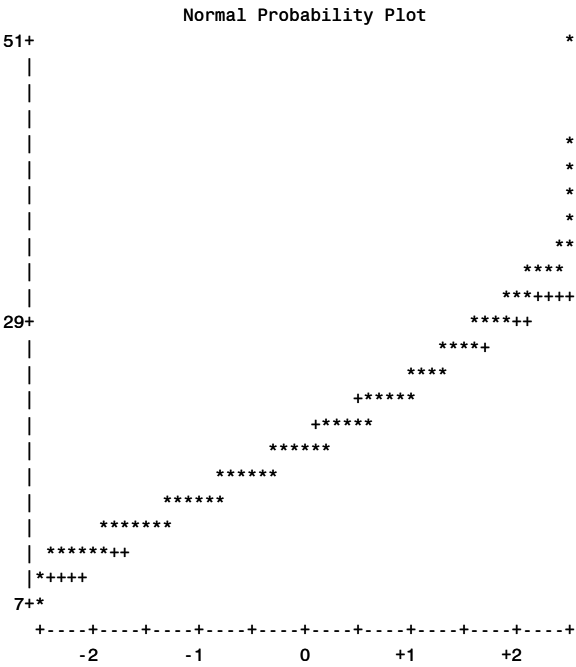
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L3D (L3 BMD (g/cm2))

Moments			
N	5959	Sum Weights	5959
Mean	1.09838248	Sum Observations	6545.26123
Std Deviation	0.2072849	Variance	0.04296703
Skewness	0.60713766	Kurtosis	1.02263314
Uncorrected SS	7445.19785	Corrected SS	255.997563
Coeff Variation	18.8718322	Std Error Mean	0.00268523

Basic Statistical Measures			
Location		Variability	
Mean	1.098382	Std Deviation	0.20728
Median	1.081794	Variance	0.04297
Mode	.	Range	1.86345
		Interquartile Range	0.26468

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	409.0464	Pr > |t|	<.0001
Sign	M	2979.5	Pr >= |M|	<.0001
Signed Rank	S	8878910	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.245683
99%	1.696320
95%	1.463225
90%	1.361556
75% Q3	1.219775
50% Median	1.081794
25% Q1	0.955097
10%	0.849337
5%	0.796499
1%	0.682430
0% Min	0.382238

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L3D (L3 BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.382238	MN1558	1027	2.05101	SD8701	5677
0.457985	PO6873	4342	2.06033	MN1641	1110
0.470526	MN2092	1560	2.06090	PO6848	4317
0.540437	PI5482	3951	2.14065	MN1608	1077
0.540963	PO7118	4584	2.24568	PO7009	4478

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	32	0.53	91.43
N	3	0.05	8.57
Total	35	0.58	100.00

```
                     Histogram                         #  Boxplot
     2.25+*                                            1     *
         .*                                            1     *
         .*                                            3     *
         .*                                            3     0
         .*                                           19     0
         .**                                          32     0
         .**                                          48     0
         .*****                                      124     |
         .*********                                  223     |
         .*****************                          449     |
         .***************************               767  +-----+
         .*******************************************  1096 |     |
         .************************************************  1200 *--+--*
         .*************************************       1017  +-----+
         .*************************                  664     |
         .**********                                 238     |
         .***                                        58      |
         .*                                          13     0
         .*                                           2     0
     0.35+*                                           1     0
         ----+----+----+----+----+----+----+----+----+---
         * may represent up to 25 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L3D (L3 BMD (g/cm2))

```
                        Normal Probability Plot
     2.25+                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                     ***
         |                                  *** +
         |                               ****+++
         |                            *****+
         |                          *****
         |                       +*****
         |                      ******
         |                    ******
         |                 *******
         |              *******
         |          *******+
         |****++
         |*
         |*
     0.35+*
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
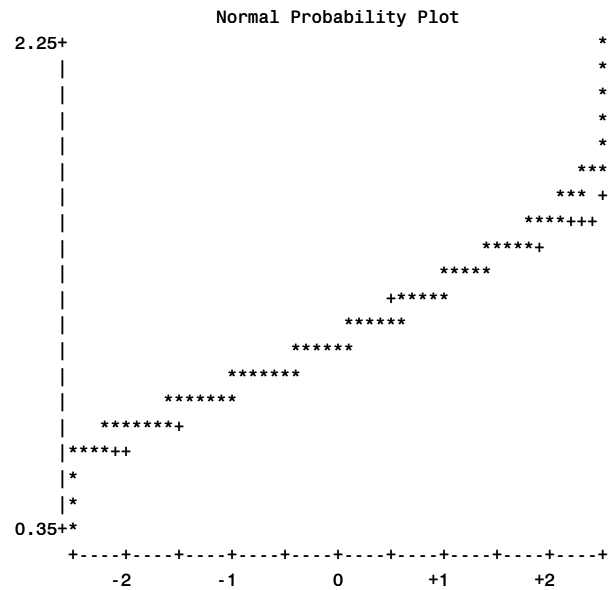
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L4A (L4 Area (cm2))

Moments			
N	5928	Sum Weights	5928
Mean	19.5808716	Sum Observations	116075.407
Std Deviation	2.31200862	Variance	5.34538386
Skewness	0.37433128	Kurtosis	1.20827063
Uncorrected SS	2304539.73	Corrected SS	31682.0901
Coeff Variation	11.8074857	Std Error Mean	0.03002862

Basic Statistical Measures			
Location		Variability	
Mean	19.58087	Std Deviation	2.31201
Median	19.48805	Variance	5.34538
Mode	18.18077	Range	25.97868
		Interquartile Range	2.96147

Note: The mode displayed is the smallest of 5 modes with a count of 7.

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	652.0737	Pr > |t|	<.0001
Sign	M	2964	Pr >= |M|	<.0001
Signed Rank	S	8786778	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	35.12362
99%	25.67766
95%	23.39673
90%	22.44324
75% Q3	21.02925
50% Median	19.48805
25% Q1	18.06778
10%	16.73606
5%	15.96824
1%	14.59588
0% Min	9.14495

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L4A (L4 Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
9.14495	BI0248	245	30.2253	SD8116	5097
10.75486	PA3837	2807	30.2783	PI5299	3768
11.45934	BI0077	75	30.6803	PI5414	3883
11.69719	PA3528	2499	31.9071	PI5182	3651
12.04376	MN1575	1044	35.1236	PI4579	3048

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	63	1.05	95.45
N	3	0.05	4.55
Total	66	1.10	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L4A (L4 Area (cm2))

```
                 Histogram              #  Boxplot
      35.5+*                            1     *
          .
          .
          .
          .*                            1     *
          .*                            4     *
          .*                            5     0
          .*                            3     0
          .*                           11     0
          .*                           20     0
          .***                         54     0
          .****                        81     |
          .**********                 220     |
      22.5+******************         415     |
          .**************************        685  +-----+
          .*************************************  907  |     |
          .**************************************************  1126  *--+--*
          .*************************************   970  +-----+
          .***************************    695     |
          .******************         418     |
          .*********                  214     |
          .***                         66     |
          .*                           23     0
          .*                            5     0
          .*                            2     0
          .*                            1     0
       9.5+*                            1     *
          ----+----+----+----+----+----+----+----+--
          * may represent up to 24 counts
```
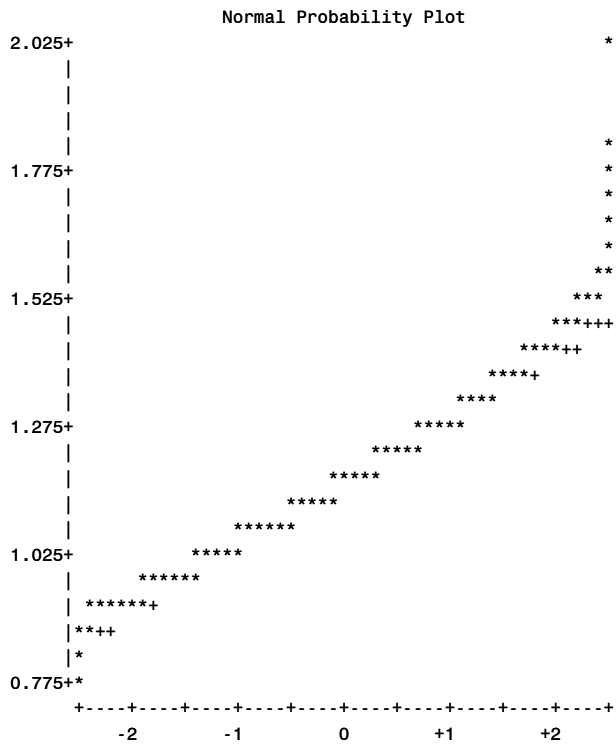
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L4A (L4 Area (cm2))

```
                        Normal Probability Plot
    35.5+                                          *
        |
        |
        |
        |                                        *
        |                                        *
        |                                        *
        |                                        *
        |                                        *
        |                                       **
        |                                    ****+
        |                                   ***++
        |                                 *****
    22.5+                               *****
        |                              *****
        |                            ******
        |                          *****
        |                        ******
        |                      ******
        |                    *****
        |                  ******
        |*****+
        |*
        |*
        |*
        |*
     9.5+*
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
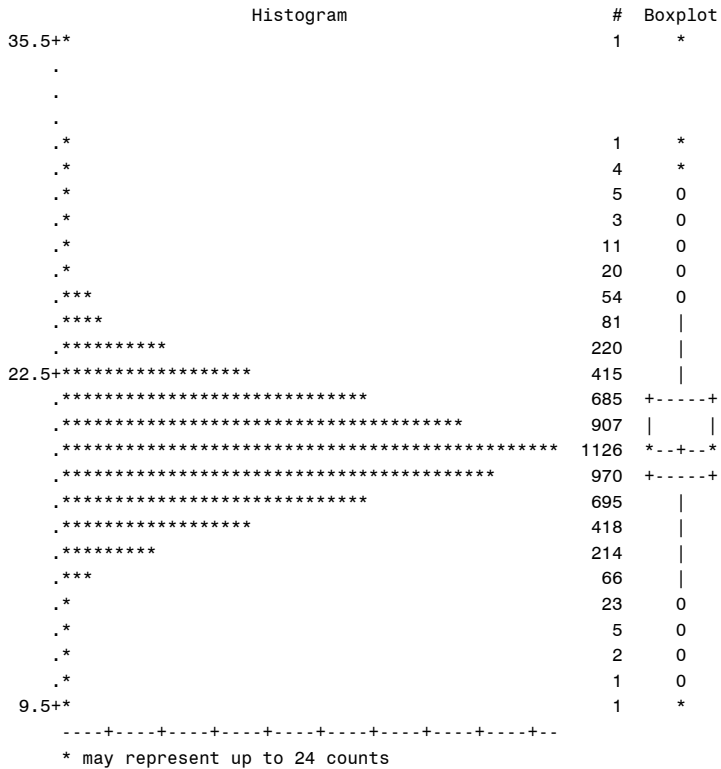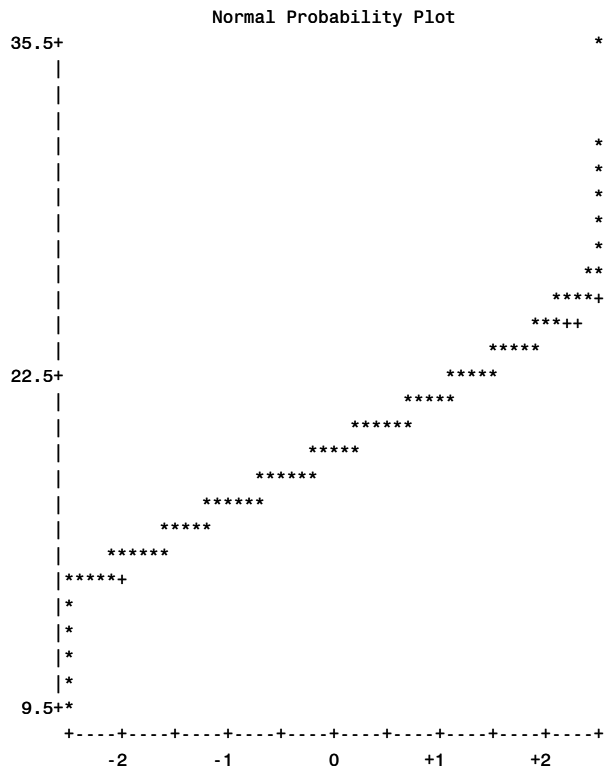
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L4C (L4 BMC (g))

Moments			
N	5928	Sum Weights	5928
Mean	22.2987172	Sum Observations	132186.796
Std Deviation	5.53233695	Variance	30.6067522
Skewness	0.73252539	Kurtosis	1.12002329
Uncorrected SS	3129002.19	Corrected SS	181406.22
Coeff Variation	24.8101131	Std Error Mean	0.07185459

Basic Statistical Measures			
Location		Variability	
Mean	22.29872	Std Deviation	5.53234
Median	21.71120	Variance	30.60675
Mode	.	Range	47.47347
		Interquartile Range	6.98094

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	310.3311	Pr > |t|	<.0001
Sign	M	2964	Pr >= |M|	<.0001
Signed Rank	S	8786778	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	53.7408
99%	38.7137
95%	32.0479
90%	29.4512
75% Q3	25.4776
50% Median	21.7112
25% Q1	18.4966
10%	15.9376
5%	14.2713
1%	11.7301
0% Min	6.2673

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L4C (L4 BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
6.26730	BI0248	245	45.6543	PO6822	4291
8.41700	SD8277	5258	46.8560	MN2161	1629
8.51433	SD8666	5642	47.8163	PA3861	2831
8.84935	PI4919	3388	47.8241	PO6848	4317
8.85277	SD8477	5453	53.7408	SD8584	5560

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	63	1.05	95.45
N	3	0.05	4.55
Total	66	1.10	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L4C (L4 BMC (g))

```
               Histogram                        #  Boxplot
     53+*                                        1     *
        .
        .
        .*                                       3     *
        .*                                       8     O
        .*                                      14     O
        .*                                      17     O
        .**                                     26     O
        .***                                    54     O
        .****                                   67     O
        .******                                108     |
        .**********                            219     |
        .****************                      321     |
        .*************************             508     |
        .*****************************         631  +-----+
        .*******************************************        833  |  +  |
        .************************************************************        955  *-----*
        .*****************************************        871  +-----+
        .**********************************     682     |
        .******************                    352     |
        .**********                            188     |
        .***                                    54     |
        .*                                      15     |
      7+*                                        1     O
        ----+----+----+----+----+----+----+----+----+---
        * may represent up to 20 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L4C (L4 BMC (g))

```
                      Normal Probability Plot
    53+                                      *
      |
      |
      |                                    *
      |                                    *
      |                                    *
      |                                   **
      |                                  **
      |                                **** +
      |                               ** +++
      |                             ****++
      |                            ***+
      |                          ****
      |                        *****
      |                       ****
      |                    +****
      |                   +*****
      |                 ******
      |               ******
      |            *****+
      |        *******+
      |***+++++
      |*++
     7+*
      +----+----+----+----+----+----+----+----+----+----+
          -2        -1        0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L4D (L4 BMD (g/cm2))

Moments			
N	5928	Sum Weights	5928
Mean	1.13282957	Sum Observations	6715.41368
Std Deviation	0.21709039	Variance	0.04712824
Skewness	0.65096542	Kurtosis	1.00569473
Uncorrected SS	7886.74824	Corrected SS	279.329062
Coeff Variation	19.1635526	Std Error Mean	0.00281959

Basic Statistical Measures			
Location		Variability	
Mean	1.132830	Std Deviation	0.21709
Median	1.109384	Variance	0.04713
Mode	.	Range	1.89489
		Interquartile Range	0.27686

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	401.7705	Pr > |t|	<.0001
Sign	M	2964	Pr >= |M|	<.0001
Signed Rank	S	8786778	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.380169
99%	1.751766
95%	1.526703
90%	1.413793
75% Q3	1.260126
50% Median	1.109384
25% Q1	0.983271
10%	0.878644
5%	0.814960
1%	0.712377
0% Min	0.485280

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L4D (L4 BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.485280	SD8666	5642	2.06671	MN1667	1136
0.510946	PI4919	3388	2.10577	SD8979	5955
0.545891	PO7453	4918	2.12060	MN1641	1110
0.569510	SD8108	5089	2.33036	PO7009	4478
0.571096	PO6873	4342	2.38017	BI0673	665

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	63	1.05	95.45
N	3	0.05	4.55
Total	66	1.10	100.00

```
              Histogram                      #  Boxplot
  2.35+*                                      2     *
      .
      .*                                       2     *
      .*                                       3     0
      .*                                      13     0
      .*                                      22     0
      .**                                     48     0
      .****                                   79     0
      .*******                               175     |
      .************                          292     |
      .********************                  544     |
      .********************************      851  +-----+
      .******************************************  1056  *--+--*
      .***********************************************  1183  |     |
      .***********************************    934  +-----+
      .******************                    473     |
      .*********                             202     |
      .**                                     39     |
      .*                                       9     0
  0.45+*                                       1     0
      ----+----+----+----+----+----+----+----+---
      * may represent up to 25 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1L4D (L4 BMD (g/cm2))

```
                    Normal Probability Plot
     2.35+                                          *
         |
         |                                         *
         |                                         *
         |                                         *
         |                                         *
         |                                       ***
         |                                 ****+++
         |                              ****++
         |                            *****
         |                         *****
         |                       *****
         |                     ******
         |                  ******
         |                *******
         |             ******+
         |  ********+
         |**++++
         |*
     0.45+*
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TLA (Total Spine Area (cm2))

Moments			
N	5984	Sum Weights	5984
Mean	69.6084558	Sum Observations	416537
Std Deviation	7.47931791	Variance	55.9401964
Skewness	-0.4485746	Kurtosis	2.87408199
Uncorrected SS	29329187.5	Corrected SS	334690.195
Coeff Variation	10.744841	Std Error Mean	0.09668658

Basic Statistical Measures			
Location		Variability	
Mean	69.60846	Std Deviation	7.47932
Median	69.65960	Variance	55.94020
Mode	67.99826	Range	87.01213
		Interquartile Range	9.04666

Note: The mode displayed is the smallest of 5 modes with a count of 4.

Tests for Location: Mu0=0					
Test		Statistic		p Value	
Student's t	t	719.9392	Pr > |t|	<.0001
Sign	M	2992	Pr >= |M|	<.0001
Signed Rank	S	8953560	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	106.3709
99%	86.8992
95%	81.4270
90%	78.7936
75% Q3	74.1705
50% Median	69.6596
25% Q1	65.1238
10%	60.8707
5%	58.2491
1%	50.1365
0% Min	19.3587

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TLA (Total Spine Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
19.3587	PA3745	2716	97.4391	PO7495	4959
27.3164	SD8797	5773	98.7523	PI5369	3838
28.9347	SD8568	5544	99.1956	PI5182	3651
29.0176	PA3757	2728	101.2678	PI4934	3403
29.2122	PA3533	2504	106.3709	PI4579	3048

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	7	0.12	70.00
N	3	0.05	30.00
Total	10	0.17	100.00

```
                    Histogram                      #  Boxplot
    107.5+*                                         1     *
         .*                                         1     0
         .*                                         8     0
         .*                                        17     0
         .***                                      81     0
         .*********                                340     |
         .**********************                   834     |
         .*********************************************  1585  +-----+
         .**********************************************  1657  *--+--*
     62.5+***************************              986     |
         .*********                                345     |
         .***                                       72     0
         .*                                         22     0
         .*                                          9     0
         .*                                          8     0
         .*                                         12     *
         .*                                          5     *
         .
     17.5+*                                          1     *
          ----+----+----+----+----+----+----+----+---
          * may represent up to 35 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TLA (Total Spine Area (cm2))

```
                        Normal Probability Plot
   107.5+                                        *
        |                                        *
        |                                        *
        |                                        *
        |                                   *****
        |                            *******
        |                      *******
        |                  ********
        |              *********
    62.5+         ********
        |      *******+
        |++****
        |***
        |*
        |*
        |*
        |*
        |
    17.5+*
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TLC (Total Spine BMC (g))

Moments			
N	5984	Sum Weights	5984
Mean	75.0709502	Sum Observations	449224.566
Std Deviation	17.4722419	Variance	305.279238
Skewness	0.6139929	Kurtosis	1.11057897
Uncorrected SS	35550200.7	Corrected SS	1826485.68
Coeff Variation	23.274305	Std Error Mean	0.22586703

Basic Statistical Measures			
Location		Variability	
Mean	75.07095	Std Deviation	17.47224
Median	73.42201	Variance	305.27924
Mode	.	Range	169.86284
		Interquartile Range	22.13146

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	332.3679	Pr > |t|	<.0001
Sign	M	2992	Pr >= |M|	<.0001
Signed Rank	S	8953560	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	186.8160
99%	125.0295
95%	105.4683
90%	97.5251
75% Q3	85.3202
50% Median	73.4220
25% Q1	63.1887
10%	54.5005
5%	49.8550
1%	39.5674
0% Min	16.9531

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TLC (Total Spine BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
16.9531	PA3745	2716	148.361	SD8701	5677
23.2915	SD8797	5773	151.036	MN2222	1690
26.3358	MN2092	1560	156.794	MN1608	1077
26.9869	SD8976	5952	162.895	PO6848	4317
27.1042	PA3881	2851	186.816	SD8584	5560

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	7	0.12	70.00
N	3	0.05	30.00
Total	10	0.17	100.00

```
               Histogram                          #  Boxplot
   185+*                                          1     *
      .
      .*                                          1     *
      .*                                          2     0
      .*                                          9     0
      .*                                         26     0
      .**                                        53     0
      .****                                     117     0
      .*********                                280     |
      .*******************                      588     |
      .******************************         1010  +-----+
      .**************************************** 1404  *--+--*
      .**************************************** 1383  +-----+
      .*************************                803     |
      .*********                                243     |
      .**                                        53     |
      .*                                         10     0
   15+*                                           1     0
      ----+----+----+----+----+----+----+----+--
      * may represent up to 30 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TLC (Total Spine BMC (g))

```
                    Normal Probability Plot
    185+                                    *
       |
       |                                      *
       |                                      *
       |                                      *
       |                                      *
       |                                   ****
       |                                *****+++
       |                             *****+
       |                          ******
       |                     +******
       |                  *******
       |               ********
       |           ********
       |   ********+
       |***++
       |*
     15+*
       +----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```
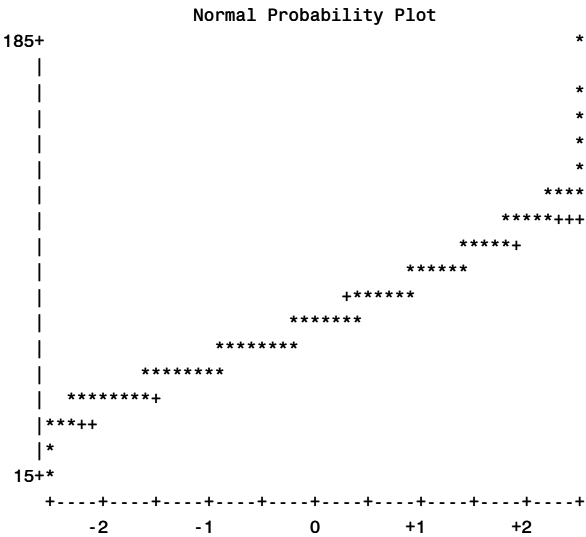
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TLD (Total Spine BMD (g/cm2))

Moments			
N	5984	Sum Weights	5984
Mean	1.07213584	Sum Observations	6415.66086
Std Deviation	0.18658011	Variance	0.03481214
Skewness	0.55313614	Kurtosis	0.92170539
Uncorrected SS	7086.74095	Corrected SS	208.281024
Coeff Variation	17.4026561	Std Error Mean	0.00241196

Basic Statistical Measures			
Location		Variability	
Mean	1.072136	Std Deviation	0.18658
Median	1.059090	Variance	0.03481
Mode	.	Range	1.62990
		Interquartile Range	0.24276

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	444.5087	Pr > |t|	<.0001
Sign	M	2992	Pr >= |M|	<.0001
Signed Rank	S	8953560	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.098865
99%	1.603855
95%	1.399454
90%	1.308928
75% Q3	1.185068
50% Median	1.059090
25% Q1	0.942307
10%	0.850686
5%	0.796420
1%	0.691743
0% Min	0.468967

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TLD (Total Spine BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.468967	PO6873	4342	1.91753	SD8584	5560
0.494821	SD8028	5009	1.97074	MN1608	1077
0.501372	SD8108	5089	1.97395	PO6848	4317
0.511033	MN1558	1027	1.98616	SD8701	5677
0.530254	SD8666	5642	2.09886	PO7009	4478

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	7	0.12	70.00
N	3	0.05	30.00
Total	10	0.17	100.00

```
                  Histogram                       #  Boxplot
     2.05+*                                        1     *
         .*                                        4     *
         .*                                        4     0
         .*                                       16     0
         .**                                      39     0
         .***                                     62     0
         .*******                                172     |
         .*************                          344     |
    1.25+************************                707     |
         .***************************************         1100  +-----+
         .*************************************************  1304  *--+--*
         .*****************************************  1193  +-----+
         .*************************                729     |
         .*********                               241     |
         .***                                      57     |
         .*                                         9     0
    0.45+*                                          2     0
         ----+----+----+----+----+----+----+----+--
         * may represent up to 28 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TLD (Total Spine BMD (g/cm2))

```
                    Normal Probability Plot
      2.05+                                        *
          |                                        *
          |                                        *
          |                                        *
          |                                     ***
          |                                 ****++
          |                              ******++
          |                           *****+
      1.25+                      +*****
          |                   *******
          |                ******
          |             *******
          |          ********
          |   ********+
          |***+++
          |*
      0.45+*
          +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```
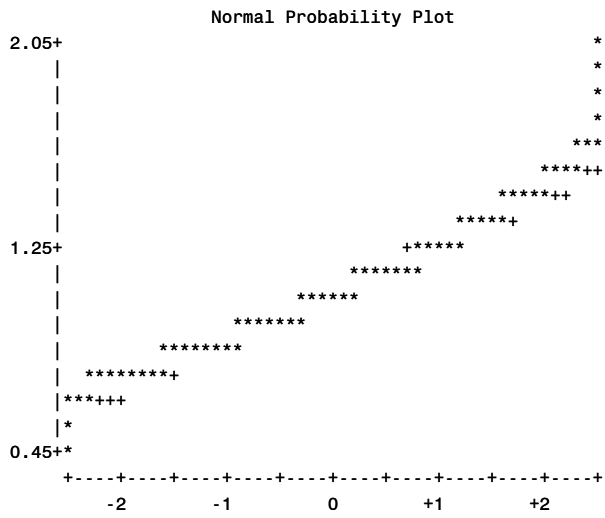
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBA (Whole Body Total Area (cm2))

Moments			
N	5955	Sum Weights	5955
Mean	2295.34842	Sum Observations	13668799.8
Std Deviation	196.469763	Variance	38600.3679
Skewness	-0.0244245	Kurtosis	0.09259886
Uncorrected SS	3.16045E10	Corrected SS	229826591
Coeff Variation	8.55947453	Std Error Mean	2.54597913

Basic Statistical Measures			
Location		Variability	
Mean	2295.348	Std Deviation	196.46976
Median	2295.263	Variance	38600
Mode	2214.022	Range	1535
		Interquartile Range	259.93033

Note: The mode displayed is the smallest of 2 modes with a count of 6.

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	901.5582	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	3012.26
99%	2752.34
95%	2621.98
90%	2544.93
75% Q3	2424.99
50% Median	2295.26
25% Q1	2165.06
10%	2040.50
5%	1973.85
1%	1824.91
0% Min	1477.56

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBA (Whole Body Total Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1477.56	PO6873	4342	2932.97	SD8170	5151
1561.77	BI0124	122	2951.90	PA3625	2596
1626.80	BI0873	864	2968.15	SD8158	5139
1633.11	PO7118	4584	2983.68	PI4823	3292
1637.10	MN1812	1280	3012.26	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
              Histogram                         #  Boxplot
   3050+*                                        1     O
       .*                                        8     O
       .*                                       23     O
       .****                                    79     |
       .**********                             259     |
       .*******************                    499     |
       .************************************   899  +-----+
       .************************************* 1152  |     |
   2250+************************************** 1187  *--+--*
       .***********************************    914  +-----+
       .*********************                  531     |
       .***********                            263     |
       .*****                                  102     |
       .**                                      28     O
       .*                                        8     O
       .*                                        1     O
   1450+*                                        1     O
        ----+----+----+----+----+----+----+----+---
        * may represent up to 25 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBA (Whole Body Total Area (cm2))

```
                      Normal Probability Plot
      3050+                                         *
          |                                         *
          |                                         *
          |                                      *****
          |                                 ******
          |                             *****
          |                        *******
          |                    ******
      2250+                 ******
          |             ******
          |         ******
          |     ******
          |******
          |*
          |*
          |*
      1450+*
          +----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```
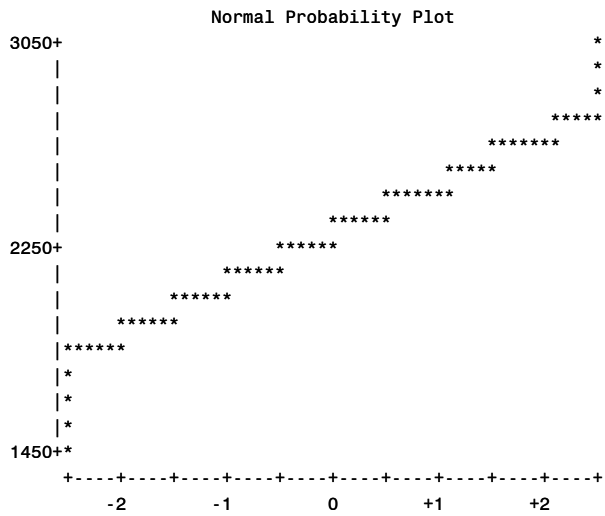
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBC (Whole Body Total BMC (g))

Moments			
N	5955	Sum Weights	5955
Mean	2691.58276	Sum Observations	16028375.3
Std Deviation	451.203607	Variance	203584.695
Skewness	0.4921098	Kurtosis	1.13138719
Uncorrected SS	4.43538E10	Corrected SS	1212143274
Coeff Variation	16.7635049	Std Error Mean	5.84698096

Basic Statistical Measures			
Location		Variability	
Mean	2691.583	Std Deviation	451.20361
Median	2661.427	Variance	203585
Mode	.	Range	4910
		Interquartile Range	582.32670

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	460.3372	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6164.84
99%	3895.70
95%	3475.89
90%	3270.04
75% Q3	2963.89
50% Median	2661.43
25% Q1	2381.56
10%	2147.80
5%	2010.52
1%	1724.78
0% Min	1254.58

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBC (Whole Body Total BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1254.58	PO6873	4342	4634.96	PO7392	4857
1355.11	BI0873	864	4643.02	MN1608	1077
1379.28	SD8568	5544	4696.18	PI5256	3725
1426.57	SD8889	5865	4833.93	SD8057	5038
1439.91	SD8765	5741	6164.84	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBC (Whole Body Total BMC (g))

```
                  Histogram            #  Boxplot
      6100+*                           1     *
          .
          .
          .
          .
          .
          .*                           1     *
          .*                           3     0
          .*                           6     0
          .*                           7     0
          .**                         26     0
          .**                         35     0
      3700+*****                      114     |
          .********                   174     |
          .****************           376     |
          .*************************  616     |
          .*************************************  884  +-----+
          .**********************************************  1077  *--+--*
          .*********************************************  1057  |     |
          .************************************  834  +-----+
          .********************        465     |
          .*********                  185     |
          .****                        73     |
          .*                           18     0
      1300+*                            3     0
          ----+----+----+----+----+----+----+----+----+--
          * may represent up to 23 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBC (Whole Body Total BMC (g))

```
                      Normal Probability Plot
        6100+                                    *
            |
            |
            |
            |
            |
            |                                *
            |                                *
            |                                *
            |                                *
            |                               **
            |                             ***+
        3700+                           *****++
            |                         ****++
            |                        ****
            |                     ******
            |                   *****
            |                 +*****
            |               ******
            |             *******
            |         ******+
            |       *****+
            |****++
            |*
        1300+*
            +----+----+----+----+----+----+----+----+----+----+
                -2        -1         0        +1        +2
```
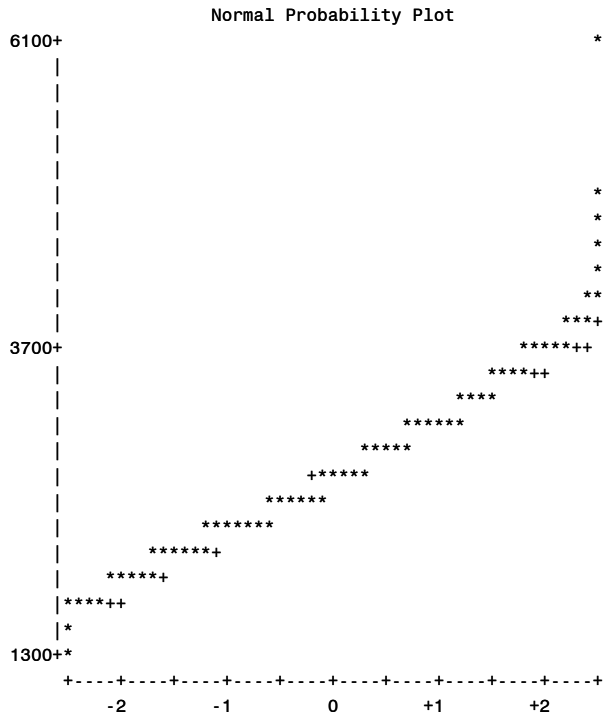
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBD (Whole Body Total BMD (g/cm2))

Moments			
N	5955	Sum Weights	5955
Mean	1.16737107	Sum Observations	6951.69473
Std Deviation	0.12671758	Variance	0.01605735
Skewness	0.57764695	Kurtosis	1.28859341
Uncorrected SS	8210.81277	Corrected SS	95.6054356
Coeff Variation	10.8549531	Std Error Mean	0.00164209

Basic Statistical Measures			
Location		Variability	
Mean	1.167371	Std Deviation	0.12672
Median	1.157779	Variance	0.01606
Mode	.	Range	1.28179
		Interquartile Range	0.15865

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	710.9072	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.046582
99%	1.531649
95%	1.389444
90%	1.329083
75% Q3	1.241780
50% Median	1.157779
25% Q1	1.083132
10%	1.017776
5%	0.977718
1%	0.905471
0% Min	0.764788

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBD (Whole Body Total BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.764788	SD8568	5544	1.72316	PO7392	4857
0.778323	SD8577	5553	1.74090	PO7190	4655
0.783644	SD8889	5865	1.78537	SD8057	5038
0.783995	PA3228	2201	1.80211	PO6848	4317
0.792084	SD8108	5089	2.04658	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBD (Whole Body Total BMD (g/cm2))

```
                    Histogram            #  Boxplot
 2.025+*                                  1     *
      .
      .
      .
      .*                                  1     *
 1.775+*                                  1     *
      .*                                  6     0
      .*                                  4     0
      .*                                 14     0
      .*                                 19     0
 1.525+**                                28     0
      .***                               59     0
      .******                           121     |
      .**********                       210     |
      .***************                  346     |
 1.275+************************         548     |
      .************************************            806  +-----+
      .*********************************************    971  *--+--*
      .**********************************************  1013  |     |
      .*************************************           827  +-----+
 1.025+************************          535     |
      .************                     258     |
      .*******                          136     |
      .**                                38     |
      .*                                 6     0
 0.775+*                                  7     0
      ----+----+----+----+----+----+----+----+----+--
      * may represent up to 22 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBD (Whole Body Total BMD (g/cm2))

```
                     Normal Probability Plot
  2.025+                                         *
       |
       |
       |
       |                                       *
  1.775+                                       *
       |                                       *
       |                                     *
       |                                     *
       |                                    **
  1.525+                                  ***
       |                               ***+++
       |                             ****++
       |                           ****+
       |                         ****
  1.275+                       *****
       |                     *****
       |                   *****
       |                 *****
       |               ******
  1.025+           *****
       |         ******
       |  *******+
       |**++
       |*
  0.775+*
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBA (Whole Body Sub Total Area (cm2))

Moments			
N	5955	Sum Weights	5955
Mean	2044.36669	Sum Observations	12174203.6
Std Deviation	190.63204	Variance	36340.5745
Skewness	-0.042119	Kurtosis	0.11218075
Uncorrected SS	2.51049E10	Corrected SS	216371781
Coeff Variation	9.32474789	Std Error Mean	2.47033022

Basic Statistical Measures			
Location		Variability	
Mean	2044.367	Std Deviation	190.63204
Median	2043.652	Variance	36341
Mode	1938.353	Range	1479
		Interquartile Range	253.45765

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	827.5682	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2723.62
99%	2481.41
95%	2357.50
90%	2285.77
75% Q3	2171.82
50% Median	2043.65
25% Q1	1918.37
10%	1799.46
5%	1733.29
1%	1590.56
0% Min	1244.41

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBA (Whole Body Sub Total Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1244.41	PO6873	4342	2648.23	SD8486	5462
1317.79	BI0124	122	2696.74	SD8170	5151
1382.28	BI0873	864	2720.45	PI4823	3292
1401.85	MN1812	1280	2720.84	SD8158	5139
1408.93	PO7173	4638	2723.62	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                 Histogram                          #  Boxplot
   2750+*                                            3     0
       .*                                           13     0
       .**                                          28     0
   2450+*****                                       126    |
       .**************                              361    |
       .************************                    673    |
   2150+********************************************1106  +-----+
       .***********************************************1231 *--+--*
       .*******************************************  1104  +-----+
   1850+**************************                   708    |
       .***************                              377    |
       .******                                       154    |
   1550+***                                          56     0
       .*                                            12     0
       .*                                            2      0
   1250+*                                            1      0
       ----+----+----+----+----+----+----+----+---
        * may represent up to 26 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBA (Whole Body Sub Total Area (cm2))

```
                        Normal Probability Plot
    2750+                                       *
        |                                        *
        |                                       **
    2450+                                  ******
        |                               *******
        |                          ******
    2150+                       ******
        |                   ******
        |                *******
    1850+            ******
        |         ******
        |    ******
    1550+***
        |*
        |*
    1250+*
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBC (Whole Body Sub Total BMC (g))

Moments			
N	5955	Sum Weights	5955
Mean	2154.86024	Sum Observations	12832192.7
Std Deviation	394.996729	Variance	156022.416
Skewness	0.49915794	Kurtosis	0.91101542
Uncorrected SS	2.85805E10	Corrected SS	928957465
Coeff Variation	18.3305034	Std Error Mean	5.11861678

Basic Statistical Measures			
Location		Variability	
Mean	2154.860	Std Deviation	394.99673
Median	2124.147	Variance	156022
Mode	.	Range	3935
		Interquartile Range	512.66267

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	420.9849	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	4809.619
99%	3212.893
95%	2842.119
90%	2666.359
75% Q3	2394.121
50% Median	2124.147
25% Q1	1881.458
10%	1683.595
5%	1551.518
1%	1329.533
0% Min	874.558

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBC (Whole Body Sub Total BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
874.558	PO6873	4342	3837.71	PO7392	4857
1043.936	SD8568	5544	3853.16	SD8486	5462
1062.634	SD8889	5865	3963.74	SD8057	5038
1067.982	PI4967	3436	3985.61	PI5256	3725
1071.151	BI0873	864	4809.62	PI5117	3586

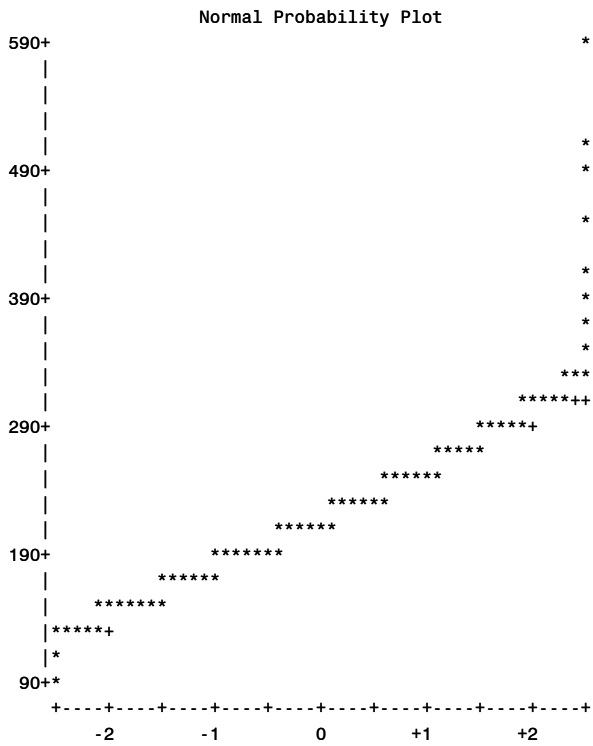| Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                  Histogram               #  Boxplot
     4900+*                                1     *
         .
     4500+
         .
     4100+
         .*                                5     0
     3700+*                                6     0
         .*                               19     0
     3300+**                              34     0
         .****                            88     0
     2900+********                       194     |
         .***************                411     |
     2500+*************************      711     |
         .************************************  1045  +-----+
     2100+*************************************************  1289  *--+--*
         .*****************************************  1117  +-----+
     1700+***********************         644     |
         .***********                     286     |
     1300+****                             85     |
         .*                                19     0
      900+*                                 1     0
         ----+----+----+----+----+----+----+----+----+---
         * may represent up to 27 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBC (Whole Body Sub Total BMC (g))

```
                      Normal Probability Plot
     4900+                                        *
         |
     4500+
         |
     4100+
         |                                      *
     3700+                                      *
         |                                      *
     3300+                                   ***
         |                                *****++
     2900+                             ****++
         |                          ******
     2500+                        *****
         |                     ******
     2100+                  *******
         |                ******
     1700+            *******
         |        *******
     1300+*****+
         |*
      900+*
         +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBD (Whole Body Sub Total BMD (g/cm2))

Moments			
N	5955	Sum Weights	5955
Mean	1.04799879	Sum Observations	6240.83281
Std Deviation	0.12180856	Variance	0.01483733
Skewness	0.69615006	Kurtosis	1.47609448
Uncorrected SS	6628.72668	Corrected SS	88.3414373
Coeff Variation	11.6229678	Std Error Mean	0.00157847

Basic Statistical Measures			
Location		Variability	
Mean	1.047999	Std Deviation	0.12181
Median	1.036609	Variance	0.01484
Mode	.	Range	1.09761
		Interquartile Range	0.14853

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	663.9324	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.765891
99%	1.411135
95%	1.261520
90%	1.199297
75% Q3	1.117059
50% Median	1.036609
25% Q1	0.968531
10%	0.904310
5%	0.868978
1%	0.800695
0% Min	0.668282

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBD (Whole Body Sub Total BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.668282	SD8568	5544	1.61444	PI5256	3725
0.681111	SD8889	5865	1.61884	SD8057	5038
0.702792	PO6873	4342	1.63816	PO6848	4317
0.712614	PA3228	2201	1.66856	PI5113	3582
0.733605	MN1792	1260	1.76589	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
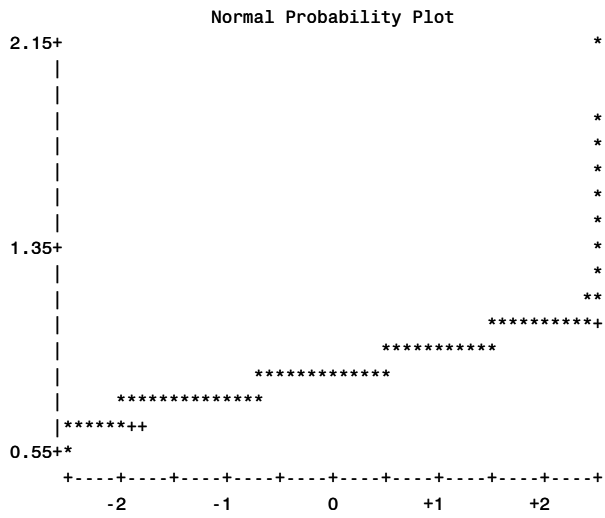Data Univariates

The UNIVARIATE Procedure
Variable: B1SBD (Whole Body Sub Total BMD (g/cm2))

```
                  Histogram                                   #  Boxplot
   1.775+*                                                     1     *
        .
        .*                                                     1     *
        .*                                                     3     *
        .*                                                    10     0
        .*                                                     6     0
        .*                                                    17     0
        .**                                                   30     0
        .**                                                   41     0
        .****                                                 81     0
        .*******                                             149     |
   1.225+***********                                         253     |
        .*******************                                 466     |
        .***************************                         692  +-----+
        .****************************************            937  |     |
        .**************************************************** 1141  *--+--*
        .**************************************             936  +-----+
        .**************************                         653     |
        .**************                                     324     |
        .*******                                            157     |
        .**                                                  43     |
        .*                                                   12     0
   0.675+*                                                    2     0
        ----+----+----+----+----+----+----+----+----+---
        * may represent up to 24 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBD (Whole Body Sub Total BMD (g/cm2))

```
                         Normal Probability Plot
    1.775+                                      *
         |
         |                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                      ***
         |                                  *** +
         |                                ***+++
         |                              ****+
    1.225+                           ****
         |                         *****
         |                     *****
         |                   *****
         |                *****
         |              *****
         |            ******
         |         ******
         |      ******+
         |***++
         |*
    0.675+*
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
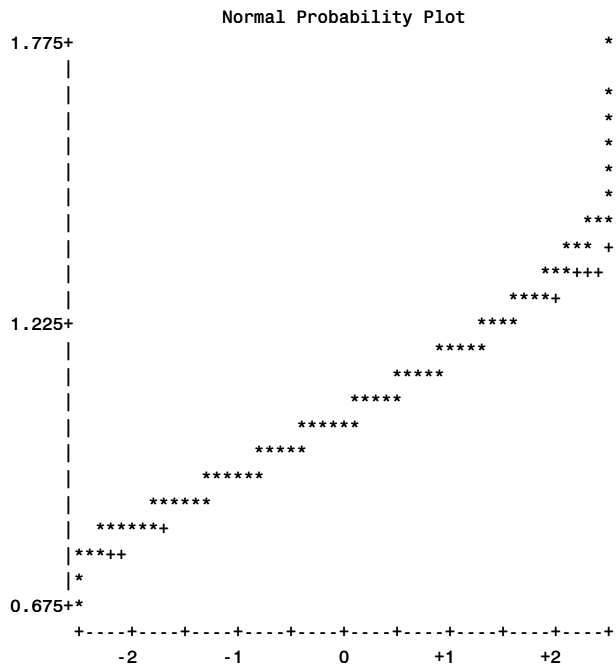
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDA (Head Area (cm2))

Moments			
N	5955	Sum Weights	5955
Mean	250.981733	Sum Observations	1494596.22
Std Deviation	20.0518847	Variance	402.078079
Skewness	0.49674025	Kurtosis	1.17395796
Uncorrected SS	377510323	Corrected SS	2393972.88
Coeff Variation	7.9893801	Std Error Mean	0.25984497

Basic Statistical Measures			
Location		Variability	
Mean	250.9817	Std Deviation	20.05188
Median	249.5177	Variance	402.07808
Mode	243.3294	Range	187.07476
		Interquartile Range	25.73901

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	965.8903	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	372.574
99%	305.773
95%	285.709
90%	276.063
75% Q3	263.231
50% Median	249.518
25% Q1	237.492
10%	226.704
5%	220.208
1%	208.638
0% Min	185.499

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDA (Head Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
185.499	MN1978	1446	344.040	PI5386	3855
185.572	PO7138	4604	354.565	PO6704	4173
186.271	MN2360	1828	358.658	MN2045	1513
188.199	MN1996	1464	367.913	MN2096	1564
188.970	MN1939	1407	372.574	PI5388	3857

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram                       #  Boxplot
     375+*                                           1     *
        .*                                           1     *
        .*                                           2     *
        .*                                           1     *
        .*                                           5     0
        .*                                          12     0
        .*                                          16     0
        .**                                         51     0
        .*****                                     122     |
        .*********                                 244     |
        .*****************                         460     |
        .******************************           882  +-----+
        .*******************************************   1135 |  +  |
        .**********************************************  1280 *-----*
        .***********************************        928  +-----+
        .********************                      519     |
        .*********                                 222     |
        .***                                       57     |
        .*                                         12     0
     185+*                                           5     0
        ----+----+----+----+----+----+----+----+---
        * may represent up to 27 counts
```
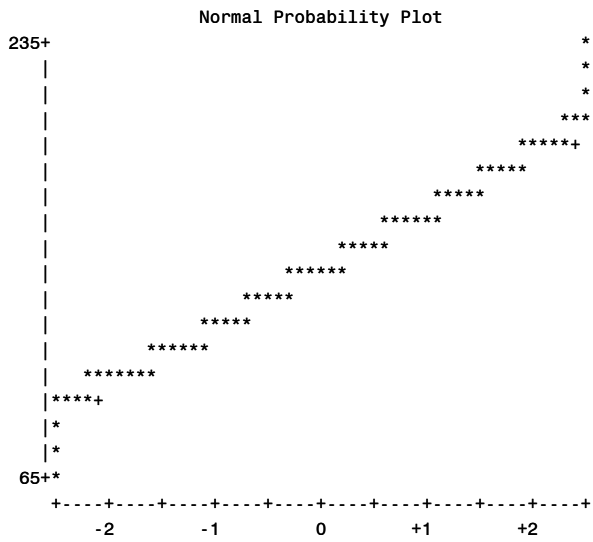
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDA (Head Area (cm2))

```
                    Normal Probability Plot
    375+                                       *
       |                                       *
       |                                       *
       |                                       *
       |                                       *
       |                                       *
       |                                       *
       |                                    ****
       |                                 *****++
       |                               *****+
       |                             *****
       |                          ******
       |                        ******
       |                      ******
       |                    *******
       |                 ******
       |              *******
       |****+
       |*
    185+*
       +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```
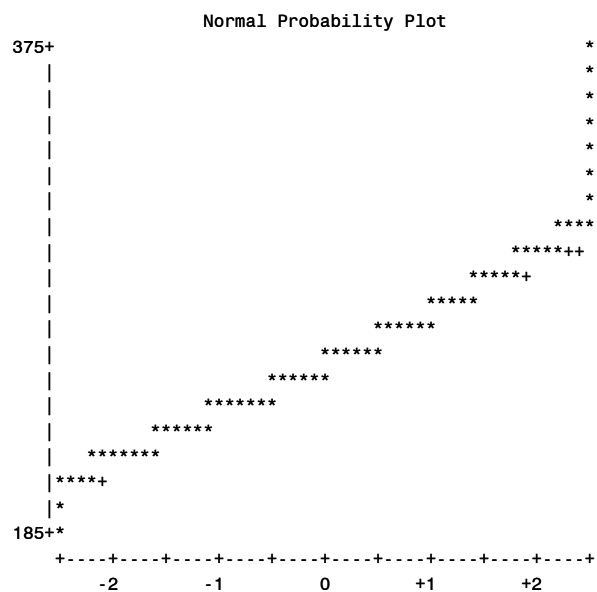
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDC (Head BMC (g))

Moments			
N	5955	Sum Weights	5955
Mean	536.72252	Sum Observations	3196182.61
Std Deviation	102.755834	Variance	10558.7613
Skewness	0.66948071	Kurtosis	1.77876677
Uncorrected SS	1778330047	Corrected SS	62866864.9
Coeff Variation	19.1450572	Std Error Mean	1.33157491

Basic Statistical Measures			
Location		Variability	
Mean	536.7225	Std Deviation	102.75583
Median	527.7742	Variance	10559
Mode	.	Range	1128
		Interquartile Range	130.58323

Tests for Location: Mu0=0					
Test		Statistic		p Value	
Student's t	t	403.0735	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1355.224
99%	817.041
95%	714.728
90%	668.591
75% Q3	596.932
50% Median	527.774
25% Q1	466.348
10%	414.147
5%	385.057
1%	329.238
0% Min	226.988

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDC (Head BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
226.988	SD8108	5089	1020.27	PI5388	3857
242.175	PA3668	2639	1074.32	PI5386	3855
248.969	SD8235	5216	1116.90	PO6620	4093
260.970	PI5180	3649	1175.51	MN1608	1077
263.615	PO7438	4903	1355.22	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDC (Head BMC (g))

```
                 Histogram            #   Boxplot
 1375+*                               1      *
     .
     .
     .
     .*                               1      *
     .*                               1      *
     .*                               1      *
     .*                               2      *
     .*                               7      0
     .*                               6      0
     .*                              20      0
     .**                             38      0
     .****                           95      0
     .********                      196      |
     .****************              417      |
     .************************      653      |
     .****************************************    1027   +-----+
     .**********************************************    1234   *--+--*
     .*****************************************    1098   +-----+
     .****************************    730      |
     .*************                 320      |
     .****                           79      |
     .*                              26      0
  225+*                               3      0
     ----+----+----+----+----+----+----+----+----+---
     * may represent up to 26 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDC (Head BMC (g))

```
                           Normal Probability Plot
        1375+                                        *
            |
            |
            |
            |                                      *
            |                                      *
            |                                      *
            |                                      *
            |                                      *
            |                                      *
            |                                    *
            |                                  ****
            |                                ****+++
            |                              *****+
            |                            *****
            |                          *****
            |                        ******
            |                      ******
            |                    *******
            |                  *******
            |                *******+
            |*****++
            |*+
        225+*
            +----+----+----+----+----+----+----+----+----+----+
                -2        -1         0        +1        +2
```
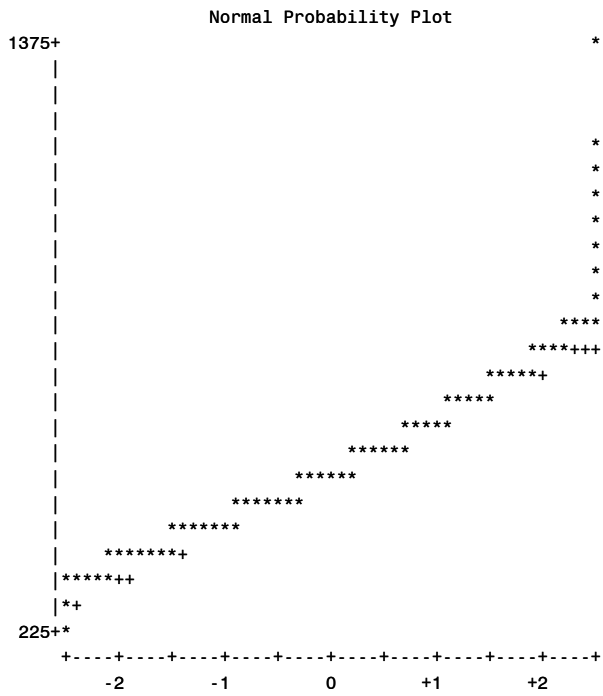
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDD (Head BMD (g/cm2))

Moments			
N	5955	Sum Weights	5955
Mean	2.13280222	Sum Observations	12700.8372
Std Deviation	0.33319361	Variance	0.11101798
Skewness	0.40594865	Kurtosis	0.97862762
Uncorrected SS	27749.3749	Corrected SS	661.001078
Coeff Variation	15.62234	Std Error Mean	0.00431773

Basic Statistical Measures			
Location		Variability	
Mean	2.132802	Std Deviation	0.33319
Median	2.114243	Variance	0.11102
Mode	.	Range	3.63828
		Interquartile Range	0.43625

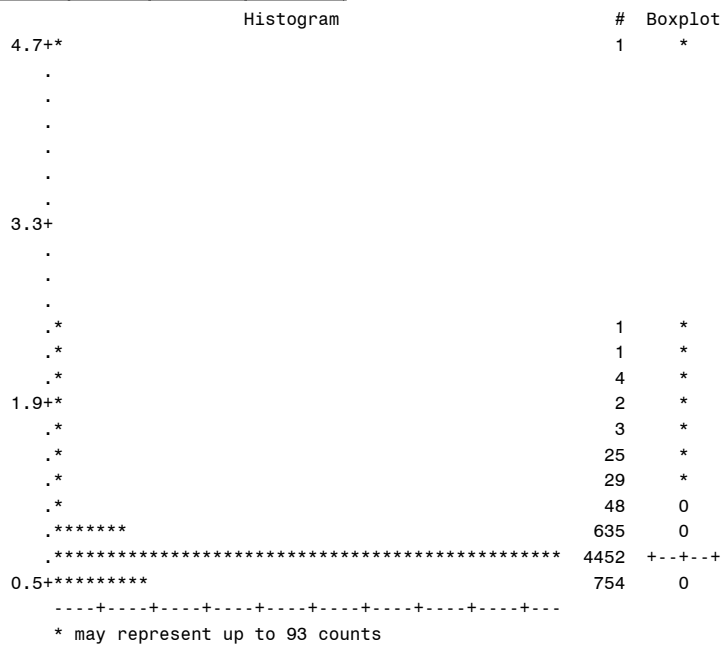| Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	493.9634	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	4.69520
99%	2.99755
95%	2.69905
90%	2.56220
75% Q3	2.34153
50% Median	2.11424
25% Q1	1.90528
10%	1.72990
5%	1.62091
1%	1.41800
0% Min	1.05692

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDD (Head BMD (g/cm2))

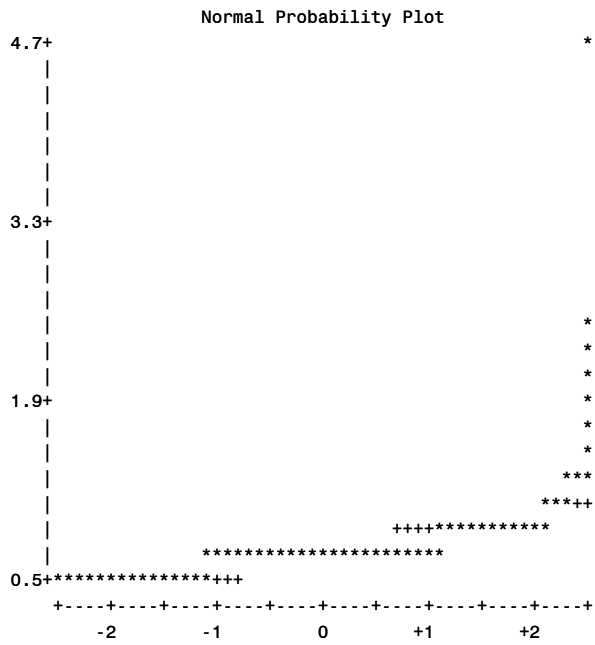| Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1.05692	PA3668	2639	3.33871	PA3750	2721
1.05806	SD8577	5553	3.35965	SD8057	5038
1.11190	SD8108	5089	3.62597	BI0489	483
1.14159	SD8235	5216	4.12464	MN1608	1077
1.15666	SD8375	5352	4.69520	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                     Histogram                          #  Boxplot
     4.7+*                                              1     *
        .
        .
        .*                                              1     *
        .
        .*                                              1     0
        .
        .*                                             16     0
        .**                                            39     0
     2.9+*****                                        128     0
        .**********                                   325     |
        .********************                         667     |
        .************************************        1198  +-----+
        .*******************************************  1441  *--+--*
        .*************************************        1242  +-----+
        .*********************                         652     |
        .*******                                      194     |
        .**                                            41     0
     1.1+*                                              9     0
        ----+----+----+----+----+----+----+----+--
        * may represent up to 31 counts
```

The UNIVARIATE Procedure
Variable: B1HDD (Head BMD (g/cm2))
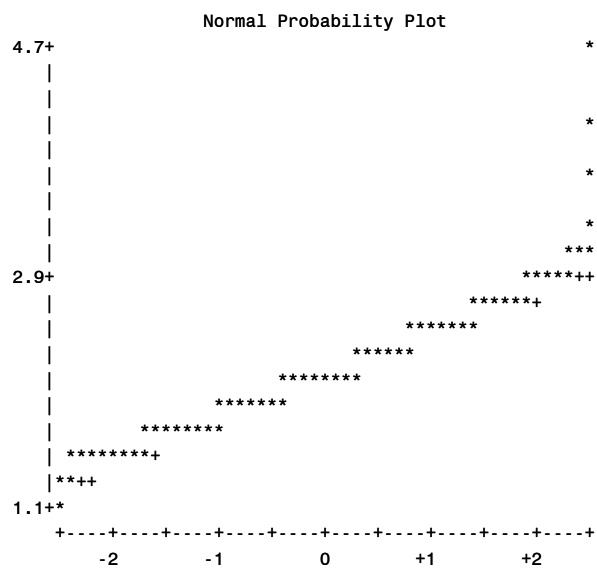
```
                        Normal Probability Plot
       4.7+                                          *
          |
          |
          |                                        *
          |
          |                                        *
          |
          |                                      *
          |                                    ***
       2.9+                               *****++
          |                           ******+
          |                        *******
          |                     ******
          |                  ********
          |               *******
          |            ********
          |  ********+
          |**++
       1.1+*
          +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAA (Left Arm Area (cm2))

Moments			
N	5955	Sum Weights	5955
Mean	244.947265	Sum Observations	1458660.96
Std Deviation	28.5981989	Variance	817.856981
Skewness	0.00039898	Kurtosis	0.21158472
Uncorrected SS	362164533	Corrected SS	4869520.46
Coeff Variation	11.6752473	Std Error Mean	0.3705935

Basic Statistical Measures			
Location		Variability	
Mean	244.9473	Std Deviation	28.59820
Median	244.9069	Variance	817.85698
Mode	238.9913	Range	273.43175
		Interquartile Range	38.77295

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	660.9594	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	357.8280
99%	311.5563
95%	292.2709
90%	281.9126
75% Q3	264.1924
50% Median	244.9069
25% Q1	225.4195
10%	208.3049
5%	198.2258
1%	179.2681
0% Min	84.3963

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAA (Left Arm Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
84.3963	SD8564	5540	341.689	MN2298	1766
104.9038	SD8886	5862	343.431	PI4896	3365
142.6265	PO7317	4782	347.444	BI0316	312
147.4963	BI0956	946	350.974	PI4636	3105
150.4787	BI0124	122	357.828	PI5077	3546

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
              Histogram                         #  Boxplot
   350+*                                         5    0
      .*                                        26    0
      .****                                    120    |
      .***************                         509    |
      .********************************       1132  +-----+
      .************************************************* 1578  *--+--*
      .********************************************    1457  +-----+
      .***********************                  792    |
      .*********                                271    |
      .**                                        59    0
      .*                                          4    0
      .
      .*                                          1    *
    90+*                                          1    *
       ----+----+----+----+----+----+----+----+---
       * may represent up to 33 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAA (Left Arm Area (cm2))

```
                        Normal Probability Plot
     350+                                          *
        |                                         *
        |                                      ******
        |                                 ********
        |                            *******
        |                       ********
        |                   ********
        |               ********
        |     ********
        |***
        |*
        |
        |*
      90+*
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```
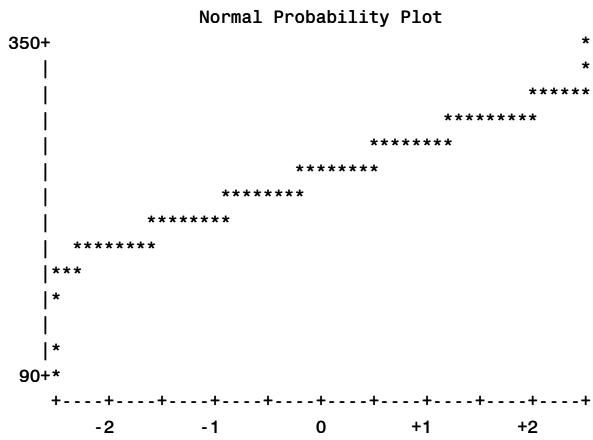
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAC (Left Arm BMC (g))

Moments			
N	5955	Sum Weights	5955
Mean	208.976471	Sum Observations	1244454.89
Std Deviation	39.2535759	Variance	1540.84322
Skewness	0.6025018	Kurtosis	2.28355218
Uncorrected SS	269235972	Corrected SS	9174180.52
Coeff Variation	18.7837298	Std Error Mean	0.5086726

Basic Statistical Measures			
Location		Variability	
Mean	208.9765	Std Deviation	39.25358
Median	206.6917	Variance	1541
Mode	.	Range	420.40251
		Interquartile Range	50.17795

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	410.8271	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	493.5959
99%	309.5341
95%	274.6656
90%	259.0306
75% Q3	232.6978
50% Median	206.6917
25% Q1	182.5198
10%	162.0154
5%	148.7508
1%	127.0875
0% Min	73.1934

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAC (Left Arm BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
73.1934	SD8564	5540	463.870	PI5117	3586
75.0439	PO7317	4782	468.369	PO6836	4305
85.0902	SD8889	5865	485.433	SD8558	5534
93.8774	PO6873	4342	491.297	MN2105	1573
99.6627	BI0435	431	493.596	SD8652	5628

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram                      #  Boxplot
     490+*                                          3     *
        .*                                          2     *
        .
        .*                                          1     *
        .*                                          2     *
        .*                                          1     *
        .*                                          1     o
     350+*                                          7     o
        .*                                         23     o
        .**                                        51     o
        .******                                   135     |
        .**************                           350     |
        .***********************                  614     |
        .************************************     986  +-----+
     210+*************************************************  1239  *--+--*
        .**********************************************  1194  +-----+
        .*****************************             809     |
        .***************                          372     |
        .*****                                    129     |
        .**                                        31     o
        .*                                          3     o
      70+*                                          2     o
        ----+----+----+----+----+----+----+----+----+---
         * may represent up to 26 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAC (Left Arm BMC (g))

```
                        Normal Probability Plot
    490+                                            *
       |                                            *
       |
       |                                          *
       |                                          *
       |                                          *
       |                                          *
    350+                                          *
       |                                          *
       |                                       ****
       |                                   *****+
       |                              ******
       |                          ******
       |                      ******
    210+                   ******
       |                 *******
       |            ******
       |        *******
       |*******+
       |*++
       |*
     70+*
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAD (Left Arm BMD (g/cm2))

Moments			
N	5955	Sum Weights	5955
Mean	0.84876967	Sum Observations	5054.42337
Std Deviation	0.09202627	Variance	0.00846883
Skewness	1.98303033	Kurtosis	18.0325567
Uncorrected SS	4340.46468	Corrected SS	50.4234406
Coeff Variation	10.8423138	Std Error Mean	0.00119253

Basic Statistical Measures			
Location		Variability	
Mean	0.848770	Std Deviation	0.09203
Median	0.844165	Variance	0.00847
Mode	.	Range	1.43027
		Interquartile Range	0.10712

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	711.736	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.945815
99%	1.073668
95%	0.990491
90%	0.953935
75% Q3	0.898808
50% Median	0.844165
25% Q1	0.791689
10%	0.743223
5%	0.718581
1%	0.666213
0% Min	0.515547

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAD (Left Arm BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.515547	SD8577	5553	1.71947	PI5327	3796
0.526157	PO7317	4782	1.86338	PO6673	4144
0.534058	SD8889	5865	1.92240	PO6836	4305
0.534497	SD8568	5544	1.93536	SD8558	5534
0.573229	PO6873	4342	1.94582	MN2258	1726

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00
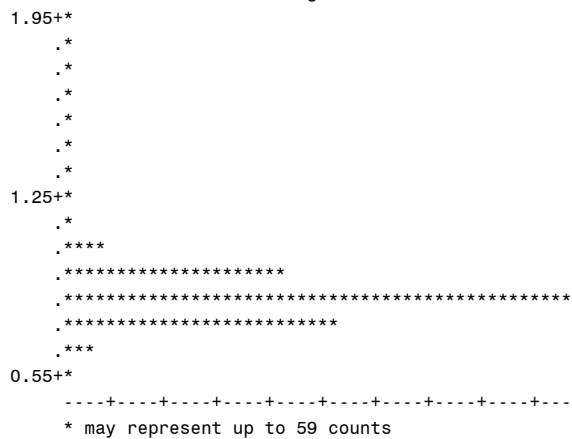
```
                 Histogram                        #  Boxplot
    1.95+*                                         3     *
        .*                                         1     *
        .*                                         2     *
        .*                                         2     *
        .*                                         1     *
        .*                                         3     *
        .*                                         2     *
    1.25+*                                         2     0
        .*                                        26     0
        .****                                    197     0
        .********************                   1227     |
        .************************************** 2801  +--+--+
        .*************************              1514  +-----+
        .***                                     166     0
    0.55+*                                         8     0
        ----+----+----+----+----+----+----+----+---
         * may represent up to 59 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAD (Left Arm BMD (g/cm2))

```
                      Normal Probability Plot
     1.95+                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                        *
     1.25+                                        *
         |                                        *
         |                                  ********+
         |                        +***********
         |                ***************
         |        **************
         |*******++
     0.55+*
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
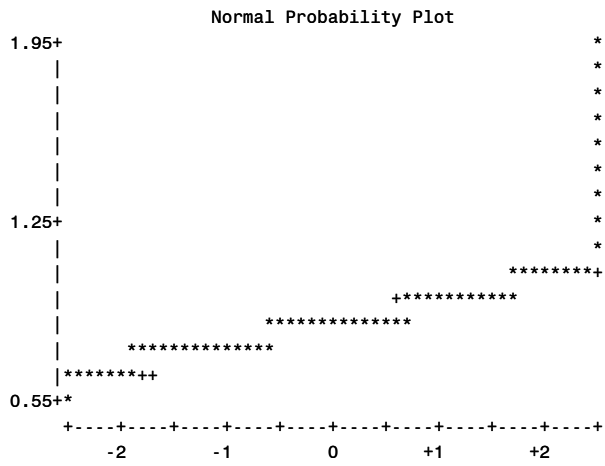
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAA (Right Arm Area (cm2))

Moments			
N	5955	Sum Weights	5955
Mean	251.091126	Sum Observations	1495247.66
Std Deviation	28.3869993	Variance	805.821732
Skewness	0.03170339	Kurtosis	0.23701458
Uncorrected SS	380241281	Corrected SS	4797862.59
Coeff Variation	11.305457	Std Error Mean	0.36785664

Basic Statistical Measures			
Location		Variability	
Mean	251.0911	Std Deviation	28.38700
Median	250.6747	Variance	805.82173
Mode	244.9069	Range	259.26483
		Interquartile Range	37.58986

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	682.5787	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	361.077
99%	320.654
95%	297.864
90%	286.711
75% Q3	269.877
50% Median	250.675
25% Q1	232.287
10%	215.550
5%	204.484
1%	185.356
0% Min	101.812

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAA (Right Arm Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
101.812	MN1754	1222	344.622	PI4896	3365
143.256	BI0124	122	346.486	PI5398	3867
145.524	BI0724	716	346.702	MN2298	1766
157.204	PO7363	4828	349.016	MN2309	1777
157.992	PO6588	4061	361.077	PI5055	3524

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAA (Right Arm Area (cm2))

```
                  Histogram               #  Boxplot
        365+*                             1     O
           .
           .*                             6     O
           .**                           19     O
           .***                          36     O
           .****                         63     |
           .********                    128     |
           .**************              235     |
           .***********************     404     |
           .***********************************            585     |
           .***************************************************  773  +-----+
           .***************************************************  779  *--+--*
           .****************************************************  812  |     |
        235+**********************************************  763  +-----+
           .*********************************             572     |
           .*********************             349     |
           .*************            215     |
           .********                 128     |
           .****                      53     |
           .**                        22     O
           .*                          6     O
           .*                          3     O
           .*                          2     O
           .
           .
           .
        105+*                             1     *
           ----+----+----+----+----+----+----+----+----+---
           * may represent up to 17 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAA (Right Arm Area (cm2))

```
                        Normal Probability Plot
     365+                                          *
        |
        |                                        *
        |                                        *
        |                                     ***
        |                                 ****+
        |                             ****
        |                           ****
        |                        *****
        |                      ****
        |                   *****
        |                 ****
        |               *****
     235+             ****
        |           *****
        |         *****
        |       ****
        |     *****
        |****
        |*
        |*
        |*
        |*
        |
        |
        |
     105+*
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAC (Right Arm BMC (g))

Moments			
N	5955	Sum Weights	5955
Mean	217.515466	Sum Observations	1295304.6
Std Deviation	40.5412665	Variance	1643.59429
Skewness	0.57402946	Kurtosis	2.36214964
Uncorrected SS	291534743	Corrected SS	9785960.4
Coeff Variation	18.6383374	Std Error Mean	0.52535931

Basic Statistical Measures			
Location		Variability	
Mean	217.5155	Std Deviation	40.54127
Median	215.6883	Variance	1644
Mode	.	Range	494.52188
		Interquartile Range	51.87516

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	414.0318	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	584.2231
99%	319.9052
95%	285.8969
90%	268.5613
75% Q3	242.0076
50% Median	215.6883
25% Q1	190.1324
10%	168.3449
5%	155.7454
1%	131.4737
0% Min	89.7012

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAC (Right Arm BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
89.7012	MN1754	1222	412.408	BI0846	837
94.3783	PO6873	4342	440.172	BI0769	760
98.5839	BI0724	716	493.808	PI5117	3586
99.2671	PO7242	4707	513.744	PO7191	4656
101.9028	SD8889	5865	584.223	PO6913	4382

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAC (Right Arm BMC (g))

```
                     Histogram            #  Boxplot
     590+*                                1     *
        .
        .
        .
        .*                               1     *
     490+*                               1     *
        .
        .*                               1     *
        .
        .*                               1     *
     390+*                               4     0
        .*                               7     0
        .*                              11     0
        .**                             32     0
        .****                           97     0
     290+*********                      216    |
        .*****************              459    |
        .**************************     745  +-----+
        .**********************************************  1122 |     |
        .***********************************************  1209 *--+--*
     190+****************************************  1043 +-----+
        .************************         635    |
        .**********               254    |
        .****                      91    |
        .*                         21     0
      90+*                          4     0
        ----+----+----+----+----+----+----+----+----+--
        * may represent up to 26 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAC (Right Arm BMC (g))

```
                         Normal Probability Plot
   590+                                           *
      |
      |
      |
      |                                        *
   490+                                        *
      |
      |                                        *
      |
      |                                      *
   390+                                      *
      |                                      *
      |                                     *
      |                                   ***
      |                               *****++
   290+                            *****+
      |                          *****
      |                       ******
      |                    ******
      |                 ******
   190+             *******
      |          ******
      |       *******
      |*****+
      |*
    90+*
      +----+----+----+----+----+----+----+----+----+----+
         -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAD (Right Arm BMD (g/cm2))

Moments			
N	5955	Sum Weights	5955
Mean	0.86161603	Sum Observations	5130.92348
Std Deviation	0.09226697	Variance	0.00851319
Skewness	1.46025692	Kurtosis	12.8707147
Uncorrected SS	4471.5735	Corrected SS	50.6875529
Coeff Variation	10.7085945	Std Error Mean	0.00119565

Basic Statistical Measures			
Location		Variability	
Mean	0.861616	Std Deviation	0.09227
Median	0.856803	Variance	0.00851
Mode	.	Range	1.62376
		Interquartile Range	0.10939

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	720.6235	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.139357
99%	1.087776
95%	1.011873
90%	0.970806
75% Q3	0.913444
50% Median	0.856803
25% Q1	0.804049
10%	0.754566
5%	0.725593
1%	0.671234
0% Min	0.515601

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAD (Right Arm BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.515601	SD8568	5544	1.53332	BI0846	837
0.550940	SD8889	5865	1.61960	PA3532	2503
0.573917	PO7242	4707	1.75491	BI0769	760
0.580626	PO6671	4142	1.86810	PO7191	4656
0.582631	SD8577	5553	2.13936	PO6913	4382

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram               #  Boxplot
   2.15+*                                    1     *
       .
       .
       .*                                    1     *
       .*                                    1     *
       .*                                    1     *
       .*                                    2     *
       .*                                    4     *
   1.35+*                                    1     *
       .*                                   10     0
       .*                                   30     0
       .******                             311     0
       .************************          1449  +-----+
       .*********************************************  2734  *--+--*
       .*********************            1270     |
       .***                              132     0
   0.55+*                                  8     0
       ----+----+----+----+----+----+----+----+----+---
       * may represent up to 57 counts
```
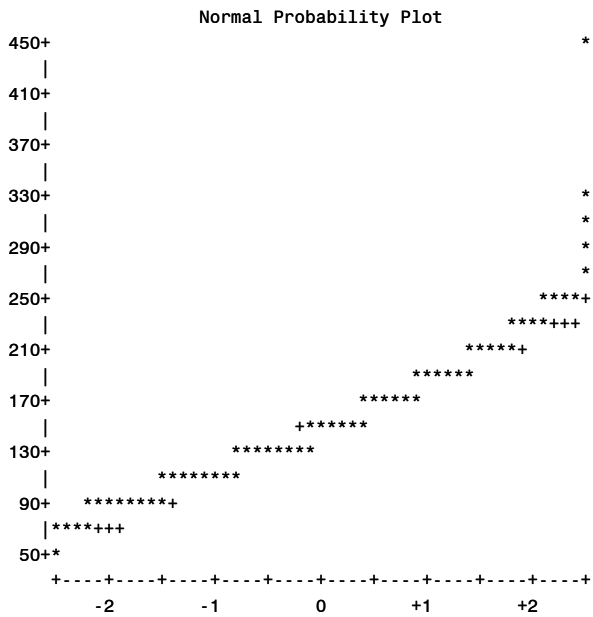
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAD (Right Arm BMD (g/cm2))

```
                       Normal Probability Plot
      2.15+                                        *
          |
          |
          |                                       *
          |                                       *
          |                                       *
          |                                       *
          |                                       *
      1.35+                                       *
          |                                      **
          |                              **********+
          |                      **********
          |                *************
          |          **************
          |******++
      0.55+*
          +----+----+----+----+----+----+----+----+----+
              -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LRA (Left Rib Area (cm2))

Moments			
N	5955	Sum Weights	5955
Mean	145.889385	Sum Observations	868771.288
Std Deviation	22.3266245	Variance	498.47816
Skewness	0.13067821	Kurtosis	-0.0433231
Uncorrected SS	129712448	Corrected SS	2967938.96
Coeff Variation	15.3038033	Std Error Mean	0.28932248

Basic Statistical Measures			
Location		Variability	
Mean	145.8894	Std Deviation	22.32662
Median	145.5335	Variance	498.47816
Mode	145.1300	Range	167.27760
		Interquartile Range	30.55421

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	504.2449	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	232.2869
99%	199.9925
95%	183.3844
90%	174.7016
75% Q3	160.9050
50% Median	145.5335
25% Q1	130.3508
10%	117.0168
5%	109.7174
1%	97.1846
0% Min	65.0093

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LRA (Left Rib Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
65.0093	PO7118	4584	220.061	SD8607	5583
75.4307	PO6818	4287	220.456	PA3632	2603
79.0089	PI5249	3718	224.399	PA3908	2878
79.0611	PO6898	4367	231.498	SD8315	5295
79.8029	PI5155	3624	232.287	SD8816	5792

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
               Histogram                             #  Boxplot
    235+*                                            2    0
      .*                                             3    0
      .*                                            11    0
      .**                                           43    0
      .******                                      118    |
      .**********                                  220    |
      .******************                          437    |
      .****************************                721  +-----+
      .*******************************************  949  |     |
      .**************************************************  1084  *--+--*
      .*************************************        909  +-----+
      .*****************************               709    |
      .********************                        446    |
      .**********                                  221    |
      .***                                          64    |
      .*                                            13    0
      .*                                             4    0
     65+*                                            1    0
        ----+----+----+----+----+----+----+----+---
        * may represent up to 23 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LRA (Left Rib Area (cm2))

```
                         Normal Probability Plot
      235+                                        *
         |                                        *
         |                                        *
         |                                     ***
         |                                *****+
         |                             *****
         |                          *****
         |                        ******
         |                      *****
         |                   ******
         |                 *****
         |               *****
         |            ******
         |         *******
         |****+
         |*
         |*
       65+*
         +----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LRC (Left Rib BMC (g))

Moments			
N	5955	Sum Weights	5955
Mean	103.405979	Sum Observations	615782.602
Std Deviation	26.7700258	Variance	716.634284
Skewness	3.80828065	Kurtosis	64.0420858
Uncorrected SS	67942443.1	Corrected SS	4266840.53
Coeff Variation	25.8882767	Std Error Mean	0.34690288

Basic Statistical Measures			
Location		Variability	
Mean	103.4060	Std Deviation	26.77003
Median	100.5356	Variance	716.63428
Mode	.	Range	715.52731
		Interquartile Range	29.59076

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	298.0834	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	752.4539
99%	191.8590
95%	143.9246
90%	131.8336
75% Q3	116.2293
50% Median	100.5356
25% Q1	86.6385
10%	75.3853
5%	69.3327
1%	58.5012
0% Min	36.9266

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LRC (Left Rib BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
36.9266	PO7118	4584	299.556	MN2052	1520
42.1830	PI5249	3718	309.282	MN1884	1352
44.2714	BI0724	716	315.623	PI5447	3916
44.3462	PO6818	4287	350.444	PI4607	3076
44.7707	PO6873	4342	752.454	MN1847	1315

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                Histogram                      #  Boxplot
  775+*                                        1     *
     .
     .
  625+
     .
     .
  475+
     .
     .*                                        1     *
  325+*                                        2     *
     .*                                       11     *
     .*                                       31     0
  175+***                                    163     0
     .**********************************************  2826  +--+--+
     .**********************************************  2907  +-----+
   25+*                                        13     0
     ----+----+----+----+----+----+----+----+---
      * may represent up to 61 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LRC (Left Rib BMC (g))

```
                     Normal Probability Plot
    775+                                          *
       |
       |
    625+
       |
       |
    475+
       |
       |                                       *
    325+                                       *
       |                                       *
       |                                      **
    175+                                 *******+
       |                     +******************
       |*************************
     25+*+++++
       +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LRD (Left Rib BMD (g/cm2))

Moments			
N	5955	Sum Weights	5955
Mean	0.70666838	Sum Observations	4208.2102
Std Deviation	0.13603971	Variance	0.0185068
Skewness	7.1907228	Kurtosis	142.100783
Uncorrected SS	3083.99858	Corrected SS	110.189497
Coeff Variation	19.2508551	Std Error Mean	0.00176289

Basic Statistical Measures			
Location		Variability	
Mean	0.706668	Std Deviation	0.13604
Median	0.691515	Variance	0.01851
Mode	.	Range	4.22411
		Interquartile Range	0.11460

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	400.8583	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	4.667739
99%	1.267257
95%	0.870228
90%	0.817582
75% Q3	0.751519
50% Median	0.691515
25% Q1	0.636924
10%	0.588864
5%	0.561859
1%	0.520777
0% Min	0.443625

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LRD (Left Rib BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.443625	SD8568	5544	2.04813	MN2451	1919
0.456281	PA3331	2304	2.10490	MN1884	1352
0.463359	PO7464	4929	2.22564	MN2052	1520
0.464303	PI4680	3149	2.43158	PI4607	3076
0.464489	PA3399	2370	4.66774	MN1847	1315

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                   Histogram              #  Boxplot
    4.7+*                                 1     *
       .
       .
       .
       .
       .
       .
    3.3+
       .
       .
       .
       .*                                 1     *
       .*                                 1     *
       .*                                 4     *
    1.9+*                                 2     *
       .*                                 3     *
       .*                                25     *
       .*                                29     *
       .*                                48     0
       .*******                         635     0
       .**********************************************  4452  +--+--+
    0.5+*********                        754     0
       ----+----+----+----+----+----+----+----+----+---
       * may represent up to 93 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LRD (Left Rib BMD (g/cm2))

```
                         Normal Probability Plot
      4.7+                                            *
         |
         |
         |
         |
         |
         |
      3.3+
         |
         |
         |
         |                                        *
         |                                        *
         |                                        *
      1.9+                                        *
         |                                        *
         |                                        *
         |                                     ***
         |                                   ***++
         |                       ++++************
         |        ***********************
      0.5+****************+++
         +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RRA (Right Rib Area (cm2))

Moments			
N	5955	Sum Weights	5955
Mean	157.982567	Sum Observations	940786.189
Std Deviation	28.4631038	Variance	810.148278
Skewness	0.18910392	Kurtosis	-0.1270672
Uncorrected SS	153451440	Corrected SS	4823622.85
Coeff Variation	18.0166105	Std Error Mean	0.36884285

Basic Statistical Measures			
Location		Variability	
Mean	157.9826	Std Deviation	28.46310
Median	156.5669	Variance	810.14828
Mode	150.2569	Range	203.42473
		Interquartile Range	39.04313

Note: The mode displayed is the smallest of 2 modes with a count of 20.

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	428.3194	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	273.3019
99%	227.3356
95%	207.0469
90%	195.8230
75% Q3	177.0744
50% Median	156.5669
25% Q1	138.0313
10%	121.8186
5%	112.9128
1%	97.7110
0% Min	69.8772

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RRA (Right Rib Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
69.8772	PI4919	3388	247.273	SD8984	5960
72.6071	PO6818	4287	249.732	PI5247	3716
72.6564	PI5143	3612	255.949	SD8315	5295
73.0534	PI4588	3057	258.823	BI0127	125
76.8292	PO7118	4584	273.302	SD8203	5184

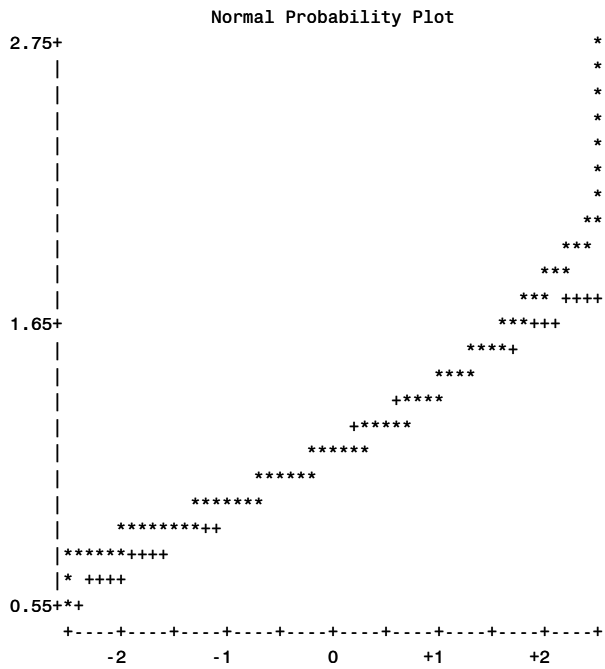| Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                       Histogram                          #  Boxplot
     275+*                                                 1    0
        .
        .*                                                 2    0
        .*                                                13    0
        .**                                               30    0
        .***                                              54    |
        .********                                        133    |
     205+************                                     210    |
        .*******************                              360    |
        .***************************                      513    |
        .**********************************              635  +-----+
        .*********************************************   757  |     |
        .*************************************************847  *--+--*
        .*******************************************      773  |     |
     135+**********************************               633  +-----+
        .************************                         467    |
        .******************                               308    |
        .********                                         138    |
        .****                                              58    |
        .*                                                 18    |
        .*                                                  4    0
      65+*                                                  1    0
        ----+----+----+----+----+----+----+----+----+---
       * may represent up to 18 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RRA (Right Rib Area (cm2))

```
                     Normal Probability Plot
    275+                                            *
       |
       |                                          *
       |                                          *
       |                                         **
       |                                     ****+
       |                                  ****
    205+                              *****
       |                            ****
       |                         ****
       |                       *****
       |                     ****
       |                   ****
       |                 *****
    135+               *****
       |             ****
       |          *****
       |       *****+
       |****+
       |*+
       |*
     65+*
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
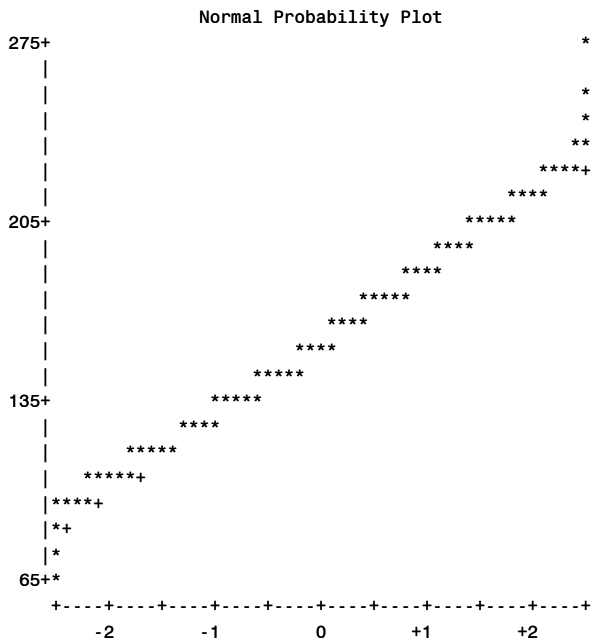
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RRC (Right Rib BMC (g))

Moments			
N	5955	Sum Weights	5955
Mean	110.632137	Sum Observations	658814.375
Std Deviation	25.9025037	Variance	670.939696
Skewness	0.57338392	Kurtosis	0.81721229
Uncorrected SS	76880817	Corrected SS	3994774.95
Coeff Variation	23.4131821	Std Error Mean	0.33566098

Basic Statistical Measures			
Location		Variability	
Mean	110.6321	Std Deviation	25.90250
Median	108.3135	Variance	670.93970
Mode	.	Range	215.60921
		Interquartile Range	33.98045

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	329.5949	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	252.6650
99%	183.2657
95%	155.6813
90%	144.5569
75% Q3	126.5352
50% Median	108.3135
25% Q1	92.5548
10%	79.4051
5%	72.1184
1%	59.3659
0% Min	37.0558

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RRC (Right Rib BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
37.0558	PI4919	3388	228.240	SD8774	5750
42.2568	PI5498	3967	228.865	PA4000	2968
43.9036	PO6818	4287	238.168	BI0839	830
46.2524	PO7118	4584	251.737	BI0269	265
46.9697	BI0724	716	252.665	PA3867	2837

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RRC (Right Rib BMC (g))

```
                    Histogram                         #  Boxplot
   255+*                                              2     *
      .
      .*                                              1     *
      .*                                              4     0
      .
      .*                                             10     0
      .**                                            28     0
      .**                                            25     0
      .***                                           50     0
      .*****                                         98     |
      .**********                                   206     |
   145+*****************                            325     |
      .*************************                    519     |
      .***********************************          708  +-----+
      .*********************************************  853  |  +  |
      .************************************************  921  *-----*
      .*************************************************  941  +-----+
      .*******************************                650     |
      .******************                            375     |
      .*********                                     171     |
      .***                                            58     |
      .*                                               9     |
    35+*                                               1     0
      ----+----+----+----+----+----+----+----+----+---
      * may represent up to 20 counts
```
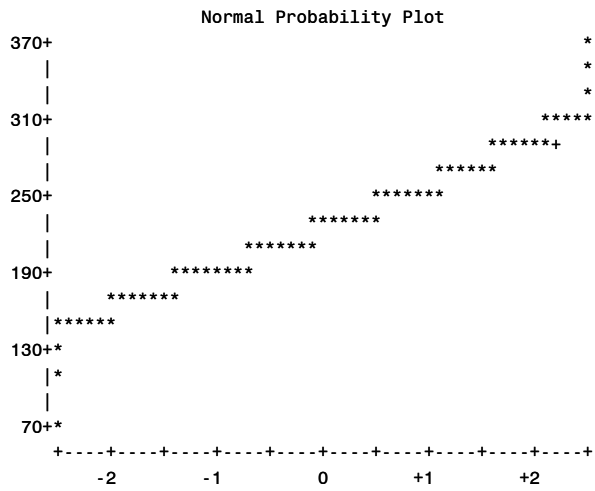
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RRC (Right Rib BMC (g))

```
                       Normal Probability Plot
    255+                                    *
       |
       |                                      *
       |                                      *
       |
       |                                        *
       |                                       **
       |                                     **
       |                                  ***++
       |                                ***++
       |                              ****+
    145+                           *****
       |                         ****
       |                       *****
       |                    +****
       |                  +*****
       |                ******
       |             ******
       |          *****+
       |      *******+
       |***+++
       |*+
     35+*
        +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```
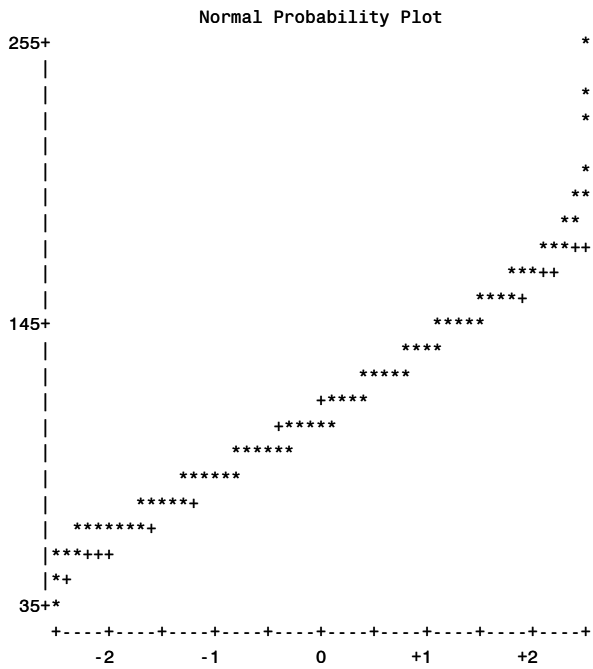
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RRD (Right Rib BMD (g/cm2))

Moments			
N	5955	Sum Weights	5955
Mean	0.6981825	Sum Observations	4157.67679
Std Deviation	0.08992333	Variance	0.00808621
Skewness	1.45152978	Kurtosis	8.22347877
Uncorrected SS	2950.96245	Corrected SS	48.1452668
Coeff Variation	12.8796311	Std Error Mean	0.00116528

Basic Statistical Measures			
Location		Variability	
Mean	0.698183	Std Deviation	0.08992
Median	0.689885	Variance	0.00809
Mode	.	Range	1.15117
		Interquartile Range	0.10526

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	599.1526	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.597654
99%	0.948803
95%	0.843649
90%	0.805547
75% Q3	0.745825
50% Median	0.689885
25% Q1	0.640561
10%	0.597802
5%	0.570985
1%	0.526450
0% Min	0.446485

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RRD (Right Rib BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.446485	MN1914	1382	1.38133	PI5193	3662
0.461162	SD8114	5095	1.43547	PI4662	3131
0.470663	SD8889	5865	1.52708	BI0269	265
0.471621	MN1903	1371	1.57027	PA3867	2837
0.479072	SD8480	5456	1.59765	BI0839	830

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

Data Univariates

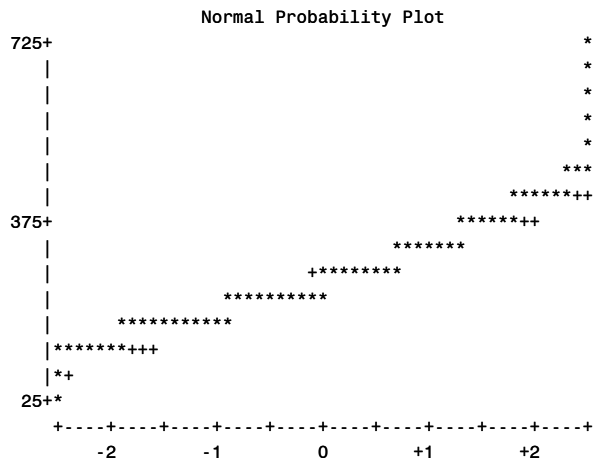The UNIVARIATE Procedure
Variable: B1RRD (Right Rib BMD (g/cm2))

```
               Histogram             #  Boxplot
     1.575+*                         2     *
         .*                          1     *
         .
         .*                          1     *
         .*                          1     *
         .*                          3     *
         .*                          2     *
         .*                          1     *
         .*                          4     *
         .*                          2     *
         .*                          6     0
         .*                         10     0
         .*                         26     0
         .***                       67     0
         .*****                    142     |
         .************             374     |
         .**********************   765     |
         .************************************    1274  +-----+
         .**********************************************  1527  *--+--*
         .*********************************  1107  +-----+
         .****************          502     |
         .****                      119     |
         .*                          18     0
     0.425+*                          1     0
          ----+----+----+----+----+----+----+----+----+---
          * may represent up to 32 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RRD (Right Rib BMD (g/cm2))

```
                  Normal Probability Plot
     1.575+                                   *
          |                                   *
          |
          |                                  *
          |                                  *
          |                                  *
          |                                  *
          |                                  *
          |                                  *
          |                                  *
          |                                  *
          |                                  *
          |                                ***
          |                              ****++
          |                             ****++
          |                            ******
          |                          +******
          |                        *******
          |                      *******
          |                    ********
          |           *********+
          |******+++
          |*++
     0.425+*
          +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```
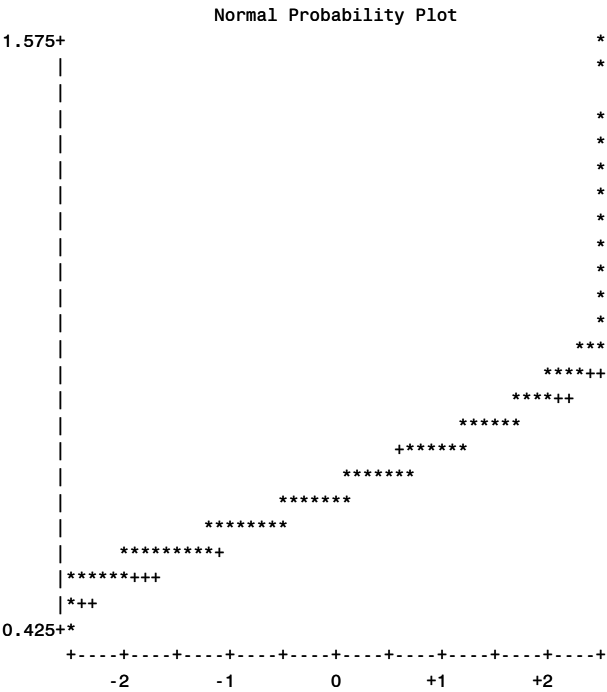
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TSA (Thoracic Spine Area (cm2))

Moments			
N	5955	Sum Weights	5955
Mean	148.769645	Sum Observations	885923.237
Std Deviation	21.5141915	Variance	462.860436
Skewness	0.18352942	Kurtosis	0.21197859
Uncorrected SS	134554357	Corrected SS	2755871.03
Coeff Variation	14.4614121	Std Error Mean	0.27879446

Basic Statistical Measures			
Location		Variability	
Mean	148.7696	Std Deviation	21.51419
Median	148.4765	Variance	462.86044
Mode	146.7075	Range	176.83449
		Interquartile Range	28.14891

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	533.6176	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	250.2849
99%	203.7033
95%	185.1136
90%	176.5039
75% Q3	162.4825
50% Median	148.4765
25% Q1	134.3336
10%	121.8406
5%	114.3638
1%	101.7488
0% Min	73.4505

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TSA (Thoracic Spine Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
73.4505	PI4919	3388	223.216	SD8659	5635
78.2148	PI5202	3671	224.065	MN1659	1128
79.2694	PA3848	2818	225.827	PI5463	3932
79.8029	PI5171	3640	241.752	BI0009	9
80.2553	BI0124	122	250.285	PI5400	3869

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                 Histogram                          #  Boxplot
     255+*                                           1     *
        .*                                           1     0
        .
        .*                                           6     0
        .*                                          22     0
        .***                                        47     0
        .*****                                      113     |
        .**********                                 252     |
        .**********************                     507     |
     165+*******************************           781  +-----+
        .**********************************************     1070  |     |
        .***********************************************    1099  *--+--*
        .****************************************      930  +-----+
        .************************                    607     |
        .***************                            340     |
        .******                                     128     |
        .**                                          41     0
        .*                                            6     0
      75+*                                            4     0
        ----+----+----+----+----+----+----+----+---
        * may represent up to 23 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TSA (Thoracic Spine Area (cm2))

```
                      Normal Probability Plot
   255+                                        *
      |                                        *
      |
      |                                      *
      |                                      *
      |                                   ****
      |                                 ****+
      |                             ******
      |                          *****
   165+                        *****
      |                     ******
      |                  ******
      |               ******
      |            ******
      |         ******
      | ******
      |**+
      |*
    75+*
      +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```
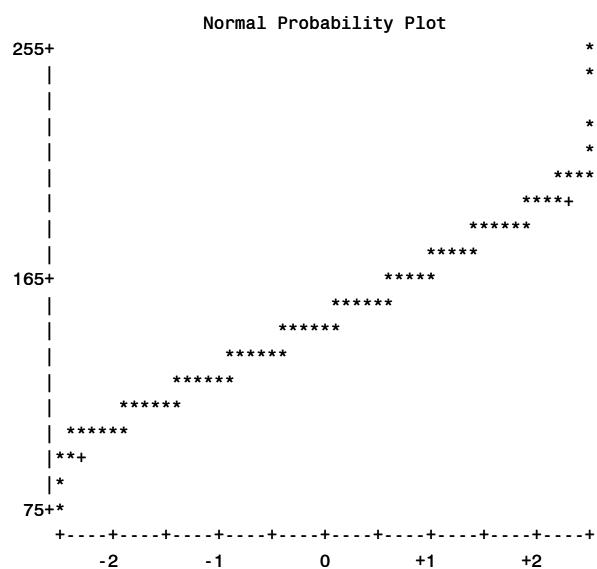
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TSC (Thoracic Spine BMC (g))

Moments			
N	5955	Sum Weights	5955
Mean	148.173384	Sum Observations	882372.503
Std Deviation	36.7363468	Variance	1349.55917
Skewness	0.77745961	Kurtosis	1.69517498
Uncorrected SS	138779395	Corrected SS	8035275.32
Coeff Variation	24.7928108	Std Error Mean	0.47605275

Basic Statistical Measures			
Location		Variability	
Mean	148.1734	Std Deviation	36.73635
Median	144.4191	Variance	1350
Mode	.	Range	399.44105
		Interquartile Range	46.16395

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	311.2541	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	449.4512
99%	253.2015
95%	213.9326
90%	195.9812
75% Q3	168.8515
50% Median	144.4191
25% Q1	122.6875
10%	104.6927
5%	95.2043
1%	77.8375
0% Min	50.0102

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TSC (Thoracic Spine BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
50.0102	PI4919	3388	316.901	SD8486	5462
57.3779	PO6772	4241	318.241	BI0009	9
58.7929	PA3227	2200	335.999	PO6848	4317
61.2344	BI0705	697	336.493	PO6560	4033
61.7473	MN1903	1371	449.451	MN2073	1541

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
               Histogram                         #  Boxplot
   450+*                                          1     *
      .
   410+
      .
   370+
      .
   330+*                                          2     *
      .*                                          5     *
   290+*                                         13     0
      .*                                         21     0
   250+***                                       73     0
      .****                                     115     0
   210+*********                                274     |
      .******************                       553     |
   170+********************************         918  +-----+
      .*************************************** 1321  *--+--*
   130+*************************************** 1362  +-----+
      .******************************           872     |
    90+*************                            349     |
      .***                                       73     |
    50+*                                          3     0
      ----+----+----+----+----+----+----+----+--
      * may represent up to 29 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TSC (Thoracic Spine BMC (g))

```
                      Normal Probability Plot
   450+                                        *
      |
   410+
      |
   370+
      |
   330+                                      *
      |                                      *
   290+                                      *
      |                                      *
   250+                                   ****+
      |                                 ****+++
   210+                               *****+
      |                            ******
   170+                          ******
      |                       +******
   130+                  ********
      |               ********
    90+    ********+
      |****+++
    50+*
      +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TSD (Thoracic Spine BMD (g/cm2))

Moments			
N	5955	Sum Weights	5955
Mean	0.99211204	Sum Observations	5908.02719
Std Deviation	0.18063818	Variance	0.03263015
Skewness	1.36895904	Kurtosis	10.7451033
Uncorrected SS	6055.70484	Corrected SS	194.279935
Coeff Variation	18.207438	Std Error Mean	0.00234082

Basic Statistical Measures			
Location		Variability	
Mean	0.992112	Std Deviation	0.18064
Median	0.972400	Variance	0.03263
Mode	.	Range	3.27449
		Interquartile Range	0.22526

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	423.8303	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	3.796183
99%	1.516475
95%	1.305054
90%	1.213742
75% Q3	1.092652
50% Median	0.972400
25% Q1	0.867394
10%	0.785542
5%	0.739189
1%	0.661554
0% Min	0.521691

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TSD (Thoracic Spine BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.521691	SD8108	5089	1.81186	PO7202	4667
0.525695	MN2092	1560	1.84644	SD8443	5419
0.572644	PA3228	2201	1.86472	PO7487	4951
0.573569	PO6772	4241	1.94061	PO7350	4815
0.580076	SD8316	5296	3.79618	MN2073	1541

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                        Histogram                      #  Boxplot
    3.7+*                                              1     *
       .
       .
       .
       .
       .
       .
       .
    2.1+
       .*                                              5     *
       .*                                             25     0
       .***                                          124     0
       .*********                                    521     |
       .********************************            1915  +-----+
       .********************************************** 2660  *--+--*
       .*************                                691     |
    0.5+*                                             13     0
       ----+----+----+----+----+----+----+----+---
        * may represent up to 56 counts
```

The UNIVARIATE Procedure
Variable: B1TSD (Thoracic Spine BMD (g/cm2))

```
                         Normal Probability Plot
    3.7+                                            *
       |
       |
       |
       |
       |
       |
       |
    2.1+
       |                                          *
       |                                          *
       |                                     *******
       |                               ********+++
       |                       +***********
       |               ***************
       |*************+
    0.5+*+++
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LSA (Lumbar Spine Area (cm2))

Moments			
N	5955	Sum Weights	5955
Mean	57.6925681	Sum Observations	343559.243
Std Deviation	11.2243514	Variance	125.986064
Skewness	0.22225229	Kurtosis	0.50878815
Uncorrected SS	20570936	Corrected SS	750121.022
Coeff Variation	19.4554546	Std Error Mean	0.14545223

Basic Statistical Measures			
Location		Variability	
Mean	57.69257	Std Deviation	11.22435
Median	57.38256	Variance	125.98606
Mode	55.60688	Range	98.91837
		Interquartile Range	14.25589

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	396.6427	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	114.3445
99%	86.5524
95%	76.6267
90%	71.7429
75% Q3	64.6775
50% Median	57.3826
25% Q1	50.4216
10%	43.6164
5%	39.8319
1%	32.3949
0% Min	15.4261

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LSA (Lumbar Spine Area (cm2))
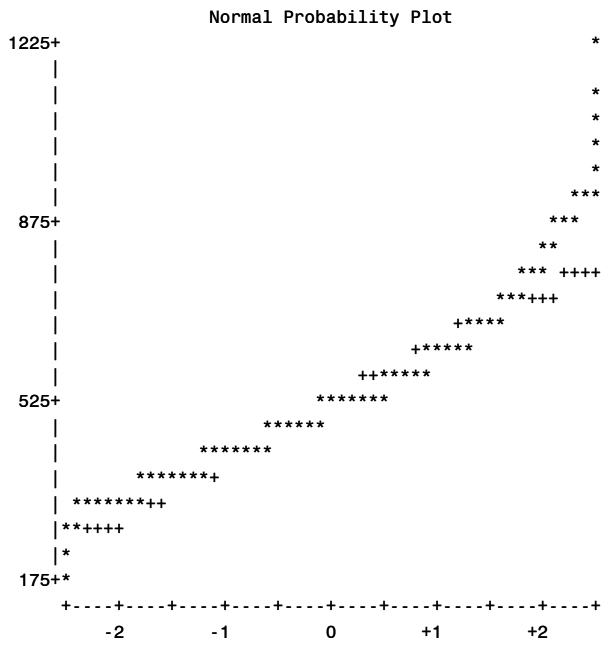
Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
15.4261	MN2318	1786	101.640	PI4687	3156
17.3544	MN2502	1970	104.126	MN1585	1054
21.2109	MN2485	1953	106.801	PI4808	3277
21.5966	MN2303	1771	108.786	PI4574	3043
22.3679	MN2443	1911	114.345	PI5155	3624

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram                          #  Boxplot
      112.5+*                                          1     *
           .*                                          2     0
           .*                                          2     0
           .*                                          9     0
           .*                                         17     0
           .**                                        44     0
           .*****                                    101     |
           .*********                                207     |
           .****************                         388     |
           .***************************             670     |
           .******************************************   969  +-----+
           .*************************************************** 1078 *--+--*
           .********************************************** 1034  +-----+
           .****************************             696     |
           .******************                      430     |
           .*********                               195     |
           .****                                     78     |
           .**                                       27     0
           .*                                         5     0
       17.5+*                                         2     0
           ----+----+----+----+----+----+----+----+--
           * may represent up to 23 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LSA (Lumbar Spine Area (cm2))

```
                    Normal Probability Plot
    112.5+                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                     ****
         |                                  ****++
         |                               *****
         |                             *****
         |                          *****
         |                        ******
         |                      *****
         |                    ******
         |                  ******
         |                *****
         |              ******
         |*****
         |*
         |*
     17.5+*
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
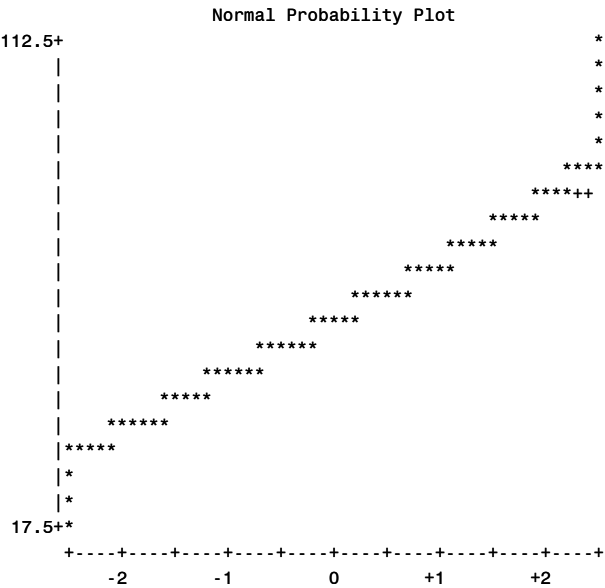
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LSC (Lumbar Spine BMC (g))

Moments			
N	5955	Sum Weights	5955
Mean	68.0105985	Sum Observations	405003.114
Std Deviation	21.2638962	Variance	452.153283
Skewness	0.98529053	Kurtosis	2.06134095
Uncorrected SS	30236624.9	Corrected SS	2692120.65
Coeff Variation	31.2655626	Std Error Mean	0.27555098

Basic Statistical Measures			
Location		Variability	
Mean	68.01060	Std Deviation	21.26390
Median	64.86714	Variance	452.15328
Mode	.	Range	196.64651
		Interquartile Range	25.92332

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	246.8168	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	213.8539
99%	134.0519
95%	106.3439
90%	95.1988
75% Q3	79.2075
50% Median	64.8671
25% Q1	53.2842
10%	44.0935
5%	38.4332
1%	30.3503
0% Min	17.2074

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LSC (Lumbar Spine BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
17.2074	SD8028	5009	169.058	PO7009	4478
17.2412	MN2318	1786	172.375	PI4808	3277
17.3189	MN2443	1911	192.835	MN1608	1077
17.9574	SD8108	5089	196.178	SD8701	5677
18.2938	MN2303	1771	213.854	PO6848	4317

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                 Histogram                      #  Boxplot
     215+*                                       1     *
        .
     195+*                                       2     *
        .
     175+*                                       1     *
        .*                                       7     *
     155+*                                      11     0
        .*                                      18     0
     135+**                                     40     0
        .***                                    57     0
     115+****                                   99     0
        .********                              224     |
      95+***************                       368     |
        .**********************               601     |
      75+***************************************  991  +-----+
        .**************************************************  1218  *--+--*
      55+**************************************************  1214  +-----+
        .****************************           733     |
      35+*************                          314     |
        .**                                     51     |
      15+*                                       5     |
         ----+----+----+----+----+----+----+----+--
         * may represent up to 26 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LSC (Lumbar Spine BMC (g))

```
                     Normal Probability Plot
    215+                                        *
       |
    195+                                        *
       |
    175+                                          *
       |                                          *
    155+                                          *
       |                                          *
    135+                                     ****
       |                                  ***  +
    115+                                ***++++
       |                            *****+
     95+                         ****+
       |                     +*****
     75+                  +******
       |               ******
     55+            *******
       |          *******
     35+    *********+
       |** +++++
     15+*++
       +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```
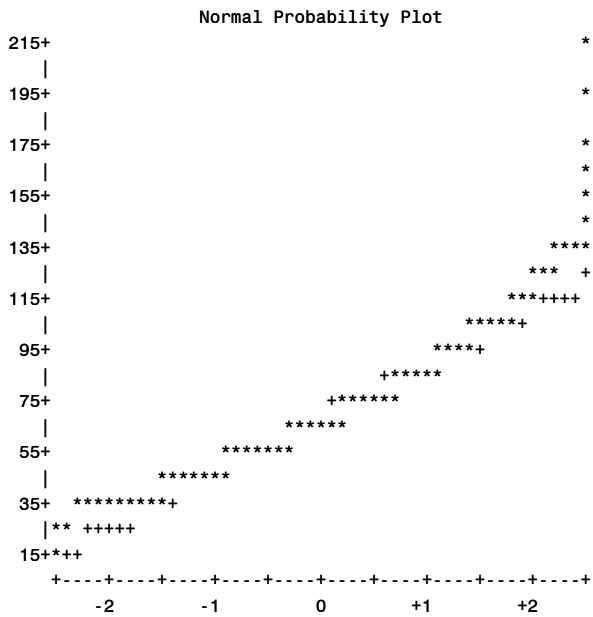
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LSD (Lumbar Spine BMD (g/cm2))

Moments			
N	5955	Sum Weights	5955
Mean	1.1707447	Sum Observations	6971.78467
Std Deviation	0.24623773	Variance	0.06063302
Skewness	1.10148369	Kurtosis	2.38127689
Uncorrected SS	8523.18894	Corrected SS	361.009001
Coeff Variation	21.0325728	Std Error Mean	0.0031909

Basic Statistical Measures			
Location		Variability	
Mean	1.170745	Std Deviation	0.24624
Median	1.132515	Variance	0.06063
Mode	.	Range	2.14461
		Interquartile Range	0.30076

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	366.9007	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.718791
99%	1.945025
95%	1.623817
90%	1.489738
75% Q3	1.297197
50% Median	1.132515
25% Q1	0.996442
10%	0.899080
5%	0.842821
1%	0.747613
0% Min	0.574183

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LSD (Lumbar Spine BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.574183	PO6873	4342	2.51825	PA3058	2032
0.614536	SD8028	5009	2.54344	SD8087	5068
0.619853	PA3225	2198	2.57183	PA3757	2728
0.626904	SD8108	5089	2.62713	SD8584	5560
0.631627	SD8277	5258	2.71879	PO6848	4317

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
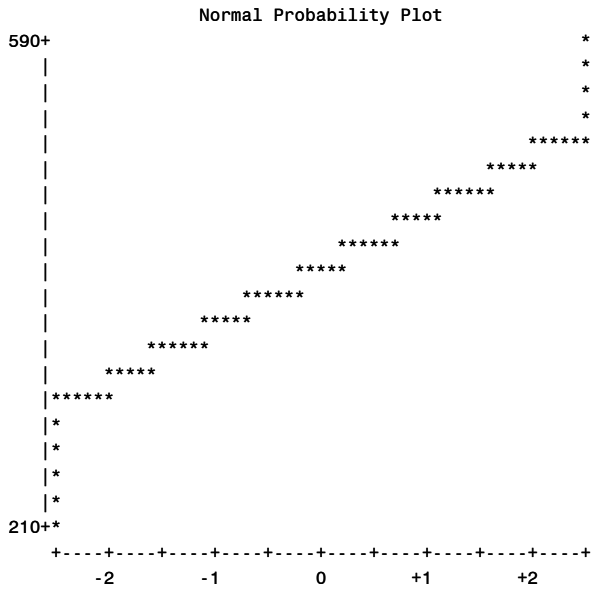Data Univariates

The UNIVARIATE Procedure
Variable: B1LSD (Lumbar Spine BMD (g/cm2))

```
                 Histogram                      #  Boxplot
  2.75+*                                         1    *
      .*                                         1    *
      .*                                         3    *
      .*                                         2    *
      .*                                         3    *
      .*                                         7    *
      .*                                        10    0
      .*                                        20    0
      .**                                       29    0
      .**                                       45    0
      .****                                     72    0
  1.65+******                                  136    |
      .**********                              243    |
      .***************                         335    |
      .***********************                 566    |
      .************************************    854  +-----+
      .**********************************************  1016  *--+--*
      .************************************************  1091  |     |
      .****************************************  919  +-----+
      .********************                     454    |
      .******                                   130    |
      .*                                         17    |
  0.55+*                                          1    |
      ----+----+----+----+----+----+----+----+----+---
      * may represent up to 23 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LSD (Lumbar Spine BMD (g/cm2))

```
                    Normal Probability Plot
    2.75+                                    *
        |                                    *
        |                                    *
        |                                    *
        |                                    *
        |                                    *
        |                                    *
        |                                  **
        |                               ***
        |                              ***
        |                           *** ++++
    1.65+                           ***+++
        |                        ****+
        |                       ****
        |                    +****
        |                  +*****
        |                ******
        |              ******
        |            *******
        |        *********++
        |******+++++
        |* ++++
    0.55+*+
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
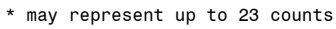
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1PEA (Pelvic Area (cm2))

Moments			
N	5955	Sum Weights	5955
Mean	224.480859	Sum Observations	1336783.51
Std Deviation	33.7448925	Variance	1138.71777
Skewness	0.21673365	Kurtosis	0.32652647
Uncorrected SS	306862237	Corrected SS	6779925.6
Coeff Variation	15.0324142	Std Error Mean	0.4372876

Basic Statistical Measures			
Location		Variability	
Mean	224.4809	Std Deviation	33.74489
Median	223.5276	Variance	1139
Mode	228.7375	Range	297.11036
		Interquartile Range	44.63264

Note: The mode displayed is the smallest of 2 modes with a count of 19.

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	513.3483	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	372.5411
99%	309.6807
95%	281.4697
90%	267.6434
75% Q3	246.1583
50% Median	223.5276
25% Q1	201.5257
10%	182.4140
5%	170.7644
1%	150.6513
0% Min	75.4307

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1PEA (Pelvic Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
75.4307	PO6873	4342	352.208	SD8057	5038
79.2694	SD9010	5986	358.487	PA3625	2596
111.4538	MN1812	1280	360.900	PI4823	3292
117.7825	PA3277	2250	367.558	SD8661	5637
121.3962	PA3446	2417	372.541	MN2222	1690

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
              Histogram                          #  Boxplot
    370+*                                        3     0
       .*                                        6     0
       .*                                       19     0
    310+***                                     85     0
       .********                               216     |
       .*****************                      514     |
    250+***********************************   1007  +-----+
       .************************************* 1386  *--+--*
       .************************************  1320  +-----+
    190+****************************           880     |
       .**************                        397     |
       .****                                   98     |
    130+*                                      20     0
       .*                                       2     0
       .
     70+*                                       2     0
       ----+----+----+----+----+----+----+----+---
        * may represent up to 29 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1PEA (Pelvic Area (cm2))

```
                    Normal Probability Plot
   370+                                      *
      |                                      *
      |                                      *
   310+                                   *****
      |                               ******+
      |                            ******
   250+                        *******
      |                     *******
      |                  *******
   190+            ********
      |         *******
      |*******
   130+*
      |*
      |
    70+*
      +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1PEC (Pelvic BMC (g))

Moments			
N	5955	Sum Weights	5955
Mean	257.740448	Sum Observations	1534844.37
Std Deviation	68.3464292	Variance	4671.23438
Skewness	0.85357934	Kurtosis	1.81938446
Uncorrected SS	423404004	Corrected SS	27812529.5
Coeff Variation	26.5175411	Std Error Mean	0.88567614

Basic Statistical Measures			
Location		Variability	
Mean	257.7404	Std Deviation	68.34643
Median	249.6517	Variance	4671
Mode	.	Range	697.34579
		Interquartile Range	84.34675

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	291.0098	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	739.2883
99%	455.3291
95%	379.4713
90%	345.9910
75% Q3	294.9661
50% Median	249.6517
25% Q1	210.6193
10%	178.0018
5%	160.4269
1%	129.6895
0% Min	41.9425

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1PEC (Pelvic BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
41.9425	PO6873	4342	593.912	MN1608	1077
61.8811	SD9010	5986	605.163	PO7190	4655
88.0858	PO6588	4061	641.171	SD8661	5637
92.3132	MN1812	1280	664.382	SD8486	5462
96.2213	MN1941	1409	739.288	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
               Histogram              #  Boxplot
   725+*                              1     *
      .*                              1     *
      .*                              2     *
      .*                              6     *
      .*                             17     0
      .**                            42     0
      .****                         134     0
   375+*********                    344     |
      .********************         816     |
      .*****************************************     1603  +--+--+
      .**********************************************     1850  *-----*
      .************************      956     |
      .*****                        177     |
      .*                              5     0
    25+*                              1     0
      ----+----+----+----+----+----+----+----+----+---
      * may represent up to 39 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1PEC (Pelvic BMC (g))

```
                  Normal Probability Plot
    725+                                      *
       |                                      *
       |                                      *
       |                                      *
       |                                      *
       |                                    ***
       |                              ******++
    375+                          ******++
       |                      *******
       |                 +********
       |            **********
       |        ***********
       |*******+++
       |*+
     25+*
        +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1PED (Pelvic BMD (g/cm2))

Moments			
N	5955	Sum Weights	5955
Mean	1.136129	Sum Observations	6765.64818
Std Deviation	0.18187715	Variance	0.0330793
Skewness	0.90445532	Kurtosis	1.92655409
Uncorrected SS	7883.60322	Corrected SS	196.954141
Coeff Variation	16.0084948	Std Error Mean	0.00235688

Basic Statistical Measures			
Location		Variability	
Mean	1.136129	Std Deviation	0.18188
Median	1.117140	Variance	0.03308
Mode	.	Range	1.70504
		Interquartile Range	0.21969

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	482.0481	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.261079
99%	1.688242
95%	1.469949
90%	1.362856
75% Q3	1.232445
50% Median	1.117140
25% Q1	1.012753
10%	0.928399
5%	0.880295
1%	0.795825
0% Min	0.556040

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1PED (Pelvic BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.556040	PO6873	4342	2.08205	PO6848	4317
0.647053	SD8480	5456	2.08209	SD8033	5014
0.663020	SD8889	5865	2.08830	PO7182	4647
0.677486	PO6588	4061	2.10878	PI5117	3586
0.678000	PA3184	2157	2.26108	PA3878	2848

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                  Histogram                          #  Boxplot
    2.25+*                                            1     *
        .*                                            1     *
        .*                                            4     *
        .*                                            9     *
        .*                                            9     O
        .**                                          32     O
        .***                                         65     O
        .*****                                      125     O
        .********                                   216     |
        .***************                            453     |
        .***************************                924  +-----+
        .**********************************************  1380  *--+--*
        .***********************************************  1412  +-----+
        .****************************                915     |
        .************                                344     |
        .**                                           56     |
        .*                                             8     O
    0.55+*                                             1     O
        ----+----+----+----+----+----+----+----+---
         * may represent up to 30 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1PED (Pelvic BMD (g/cm2))

```
                     Normal Probability Plot
     2.25+                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                       **
         |                                   ****
         |                               ****+++++
         |                            ****+++
         |                        *****
         |                   +******
         |                *******
         |            ********
         |        ********
         |    **********++
         |***+++++
         |*+
     0.55+*
         +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```
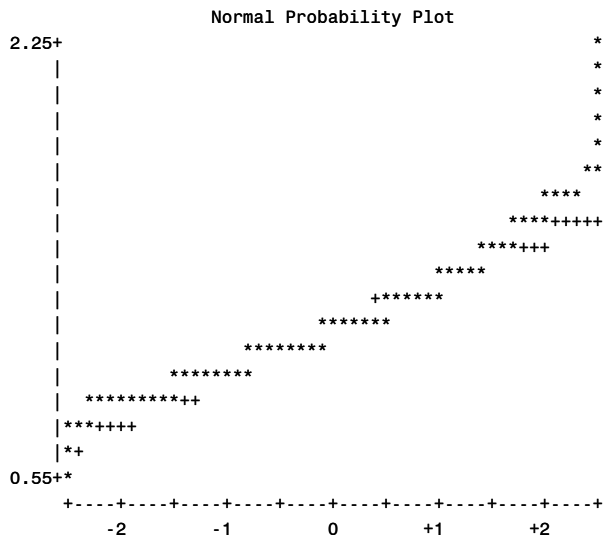
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLA (Left Leg Area (cm2))

Moments			
N	5955	Sum Weights	5955
Mean	403.890925	Sum Observations	2405170.46
Std Deviation	42.1899699	Variance	1779.99356
Skewness	0.05233803	Kurtosis	0.06349459
Uncorrected SS	982024605	Corrected SS	10598081.6
Coeff Variation	10.4458821	Std Error Mean	0.54672424

Basic Statistical Measures			
Location		Variability	
Mean	403.8909	Std Deviation	42.18997
Median	403.8458	Variance	1780
Mode	391.6144	Range	325.85393
		Interquartile Range	57.31991

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	738.7471	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	554.163
99%	504.625
95%	474.583
90%	458.264
75% Q3	432.175
50% Median	403.846
25% Q1	374.855
10%	350.656
5%	335.785
1%	307.317
0% Min	228.309

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLA (Left Leg Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
228.309	PO6873	4342	546.209	BI0975	964
246.090	BI0873	864	549.092	PI5117	3586
256.344	SD8765	5741	552.665	PI4823	3292
258.067	PO7173	4638	552.721	SD8158	5139
262.034	BI0124	122	554.163	BI0230	227

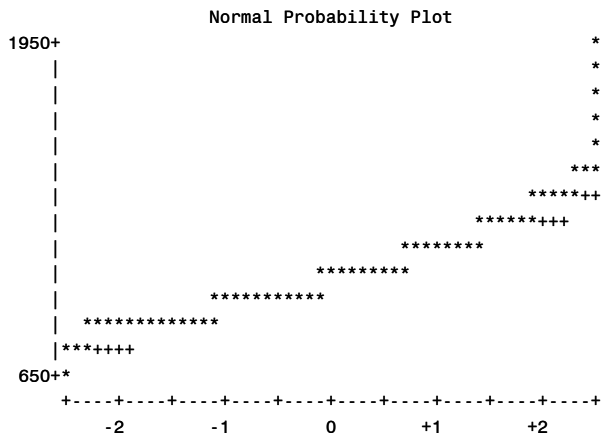| Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
              Histogram                        #  Boxplot
     550+*                                      8     0
        .*                                     15     0
        .***                                   51     0
        .*******                              150     |
        .**************                       322     |
        .*************************            637     |
        .***********************************  881  +-----+
        .*************************************************** 1120  *--+--*
     390+******************************************** 1053  |     |
        .***********************************         844  +-----+
        .*********************                       510     |
        .**********                                 235     |
        .****                                        93     |
        .**                                          27     0
        .*                                            5     0
        .*                                            3     0
     230+*                                            1     0
        ----+----+----+----+----+----+----+----+--
         * may represent up to 24 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLA (Left Leg Area (cm2))

```
                     Normal Probability Plot
     550+                                          *
        |                                         *
        |                                       ****
        |                                    *****
        |                                 ******
        |                              ******
        |                          *****
        |                        ******
     390+                     ******
        |                  *****
        |              *****
        |           ******
        |******
        |*
        |*
        |*
     230+*
        +----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```
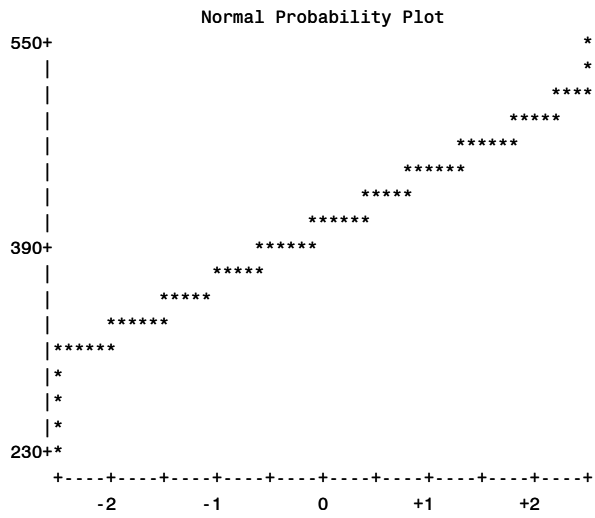
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLC (Left Leg BMC (g))

Moments			
N	5955	Sum Weights	5955
Mean	517.70358	Sum Observations	3082924.82
Std Deviation	110.330579	Variance	12172.8366
Skewness	1.13624893	Kurtosis	3.06610984
Uncorrected SS	1668518282	Corrected SS	72477068.9
Coeff Variation	21.3115348	Std Error Mean	1.42973323

Basic Statistical Measures			
Location		Variability	
Mean	517.7036	Std Deviation	110.33058
Median	506.3992	Variance	12173
Mode	.	Range	1034
		Interquartile Range	126.10265

Tests for Location: Mu0=0					
Test		Statistic		p Value	
Student's t	t	362.098	Pr > |t|	<.0001	
Sign	M	2977.5	Pr >= |M|	<.0001	
Signed Rank	S	8866995	Pr >= |S|	<.0001	

Quantiles (Definition 5)	
Level	Quantile
100% Max	1233.744
99%	910.831
95%	706.715
90%	646.017
75% Q3	572.577
50% Median	506.399
25% Q1	446.474
10%	394.537
5%	366.694
1%	308.299
0% Min	199.815

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLC (Left Leg BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
199.815	PO6873	4342	1067.28	BI0811	802
222.836	MN1792	1260	1070.57	SD8701	5677
226.977	BI0873	864	1100.46	MN2105	1573
227.301	SD8765	5741	1131.40	PI5117	3586
241.079	SD8568	5544	1233.74	BI0340	336

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram                         #  Boxplot
     1225+*                                            1     *
         .
         .*                                            2     *
         .*                                            4     *
         .*                                            9     *
         .*                                           17     0
         .**                                          32     0
      875+**                                          32     0
         .**                                          43     0
         .***                                         71     0
         .****                                       105     |
         .*********                                  261     |
         .*****************                          475     |
         .******************************            874  +-----+
      525+*********************************************  1215 *--+--*
         .**********************************************  1250 |    |
         .********************************            897  +-----+
         .******************                         461     |
         .*******                                    163     |
         .**                                          36     0
         .*                                            6     0
      175+*                                            1     0
         ----+----+----+----+----+----+----+----+----+--
         * may represent up to 27 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLC (Left Leg BMC (g))

```
                    Normal Probability Plot
    1225+                                    *
        |
        |                                      *
        |                                      *
        |                                      *
        |                                      *
        |                                   ***
     875+                                 ***
        |                                **
        |                             *** ++++
        |                           ***+++
        |                        +****
        |                     +*****
        |                   ++*****
     525+                 *******
        |             ******
        |          *******
        |       *******+
        | *******++
        |**++++
        |*
     175+*
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLD (Left Leg BMD (g/cm2))

Moments			
N	5955	Sum Weights	5955
Mean	1.27491132	Sum Observations	7592.09693
Std Deviation	0.1972353	Variance	0.03890176
Skewness	2.15606996	Kurtosis	8.15978752
Uncorrected SS	9910.87146	Corrected SS	231.621108
Coeff Variation	15.4705115	Std Error Mean	0.0025559

Basic Statistical Measures			
Location		Variability	
Mean	1.274911	Std Deviation	0.19724
Median	1.247289	Variance	0.03890
Mode	.	Range	2.01927
		Interquartile Range	0.18731

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	498.8112	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.788193
99%	2.132412
95%	1.560869
90%	1.456879
75% Q3	1.347924
50% Median	1.247289
25% Q1	1.160618
10%	1.084411
5%	1.034152
1%	0.946041
0% Min	0.768923

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLD (Left Leg BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.768923	SD8568	5544	2.42278	BI0811	802
0.791527	MN1792	1260	2.44940	PO6618	4091
0.817406	SD8313	5293	2.55076	PI5173	3642
0.840999	PA3228	2201	2.58534	SD8701	5677
0.842123	SD8238	5219	2.78819	BI0340	336

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                        Histogram                       #  Boxplot
    2.75+*                                               1     *
        .
    2.55+*                                               2     *
        .*                                               3     *
    2.35+*                                              14     *
        .*                                              15     *
    2.15+*                                              31     *
        .**                                             41     *
    1.95+**                                             42     0
        .*                                              23     0
    1.75+*                                              28     0
        .**                                             53     0
    1.55+*****                                         177     |
        .**************                                534     |
    1.35+*******************************              1139  +-----+
        .*************************************************  1762  *--+--*
    1.15+************************************          1352  +-----+
        .****************                              573     |
    0.95+****                                          147     |
        .*                                              16     0
    0.75+*                                               2     0
        ----+----+----+----+----+----+----+----+----+---
         * may represent up to 37 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLD (Left Leg BMD (g/cm2))

```
                 Normal Probability Plot
   2.75+                                        *
       |
   2.55+                                        *
       |                                        *
   2.35+                                        *
       |                                         *
   2.15+                                     ***
       |                                   ***
   1.95+                                  **
       |                                 **
   1.75+                               **  ++++
       |                             **+++
   1.55+                         +++***
       |                      ++********
   1.35+                  ++********
       |               *********
   1.15+           *********
       |       ********+++
   0.95+*******+++++
       |*+++++
   0.75+*
       +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```
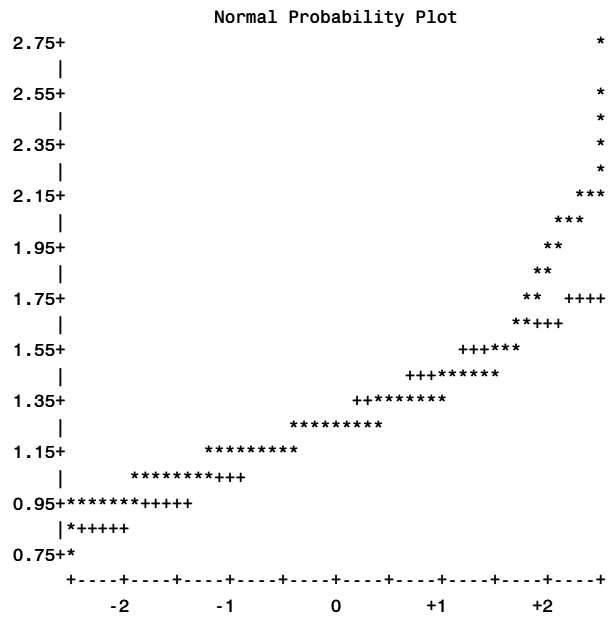
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLA (Right Leg Area (cm2))

Moments			
N	**5955**	Sum Weights	**5955**
Mean	**409.622346**	Sum Observations	**2439301.07**
Std Deviation	**44.5107166**	Variance	**1981.20389**
Skewness	**0.01177508**	Kurtosis	**0.16068626**
Uncorrected SS	**1010988315**	Corrected SS	**11796088**
Coeff Variation	**10.8662814**	Std Error Mean	**0.57679794**

Basic Statistical Measures			
Location		Variability	
Mean	**409.6223**	Std Deviation	**44.51072**
Median	**408.9677**	Variance	**1981**
Mode	**401.4738**	Range	**365.52231**
		Interquartile Range	**59.49168**

Note: The mode displayed is the smallest of 3 modes with a count of 14.

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	**710.1661**	Pr > |t|	**<.0001**
Sign	M	**2977.5**	Pr >= |M|	**<.0001**
Signed Rank	S	**8866995**	Pr >= |S|	**<.0001**

Quantiles (Definition 5)	
Level	Quantile
100% Max	**580.520**
99%	**514.965**
95%	**483.644**
90%	**466.255**
75% Q3	**439.398**
50% Median	**408.968**
25% Q1	**379.906**
10%	**353.356**
5%	**338.269**
1%	**308.796**
0% Min	**214.998**

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLA (Right Leg Area (cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
214.998	PO6772	4241	558.472	PI5055	3524
233.864	BI0820	811	560.209	PI5117	3586
240.174	SD8189	5170	561.400	PI4823	3292
247.671	PO6873	4342	562.403	SD8158	5139
247.823	PO7053	4522	580.520	PA3625	2596

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram                       #  Boxplot
      590+*                                          1     O
         .*                                          3     O
         .*                                          7     O
         .**                                        29     O
         .*****                                     99     |
         .*********                                209     |
         .*****************                        406     |
         .***************************              711     |
         .*****************************************          943  +-----+
         .**************************************************  1074 *--+--*
         .*********************************************       982  |     |
         .*****************************              717  +-----+
         .********************                      444     |
         .*********                                 204     |
         .****                                       89     |
         .*                                          20     O
         .*                                           9     O
         .*                                           6     O
         .*                                           1     O
      210+*                                           1     O
         ----+----+----+----+----+----+----+----+--
         * may represent up to 23 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLA (Right Leg Area (cm2))

```
                          Normal Probability Plot
       590+                                       *
          |                                       *
          |                                       *
          |                                       *
          |                                  ******
          |                              *****
          |                            ******
          |                        *****
          |                     ******
          |                   *****
          |                ******
          |              *****
          |           ******
          |         *****
          |******
          |*
          |*
          |*
          |*
       210+*
          +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLC (Right Leg BMC (g))

Moments			
N	5955	Sum Weights	5955
Mean	522.702177	Sum Observations	3112691.47
Std Deviation	112.565674	Variance	12671.031
Skewness	1.2136316	Kurtosis	4.26944253
Uncorrected SS	1702453925	Corrected SS	75443318.5
Coeff Variation	21.5353368	Std Error Mean	1.45869701

Basic Statistical Measures			
Location		Variability	
Mean	522.7022	Std Deviation	112.56567
Median	511.6404	Variance	12671
Mode	.	Range	1210
		Interquartile Range	129.78819

Tests for Location: Mu0=0					
Test		Statistic		p Value	
Student's t	t	358.335	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1396.602
99%	892.639
95%	710.337
90%	651.444
75% Q3	579.571
50% Median	511.640
25% Q1	449.783
10%	397.626
5%	367.136
1%	303.503
0% Min	186.194

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLC (Right Leg BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
186.194	SD8568	5544	1195.97	SD8595	5571
211.961	SD8765	5741	1267.68	PA3133	2106
212.464	SD8189	5170	1339.48	BI0082	80
225.990	PO6873	4342	1341.95	MN1863	1331
226.217	PI4967	3436	1396.60	PI5113	3582

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLC (Right Leg BMC (g))

```
                    Histogram             #  Boxplot
      1375+*                               1     *
          .*                               2     *
          .*                               1     *
          .
          .*                               2     *
          .*                               2     *
          .*                               5     *
          .*                               8     *
          .*                              17     0
          .*                              19     0
          .**                             37     0
          .**                             45     0
       775+***                            62     0
          .******                        133     |
          .***********                   269     |
          .*********************         560     |
          .*********************************         904  +-----+
          .*************************************************  1205  *--+--*
          .**********************************************  1190  |     |
          .********************************  857  +-----+
          .******************              444     |
          .******                          141     |
          .**                               43     |
          .*                                 7     0
       175+*                                 1     0
          ----+----+----+----+----+----+----+----+----+--
          * may represent up to 26 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLC (Right Leg BMC (g))

```
                     Normal Probability Plot
      1375+                                   *
          |                                   *
          |                                   *
          |
          |                                 *
          |                                 *
          |                                 *
          |                                 *
          |                                 *
          |                               ***
          |                              **
          |                           **    +
       775+                           ***+++
          |                         ***++
          |                       +****
          |                    ++*****
          |                   +******
          |                +******
          |              *******
          |            ******
          |         *******+
          |   ********++
          |**+++++
          |*
       175+*
          +----+----+----+----+----+----+----+----+----+----+
              -2        -1         0        +1        +2
```
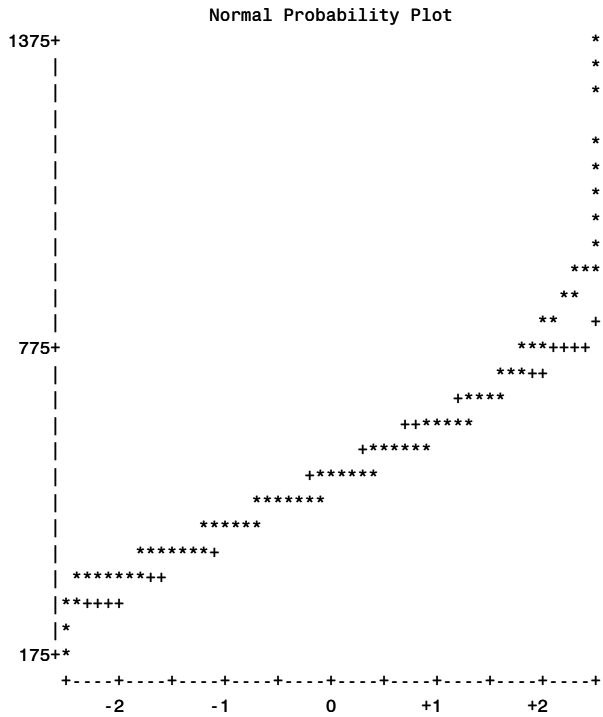
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLD (Right Leg BMD (g/cm2))

Moments			
N	5955	Sum Weights	5955
Mean	1.26902915	Sum Observations	7557.06858
Std Deviation	0.19595773	Variance	0.03839943
Skewness	2.50915424	Kurtosis	13.3862915
Uncorrected SS	9818.77052	Corrected SS	228.630213
Coeff Variation	15.4415466	Std Error Mean	0.00253934

Basic Statistical Measures			
Location		Variability	
Mean	1.269029	Std Deviation	0.19596
Median	1.244632	Variance	0.03840
Mode	.	Range	2.77224
		Interquartile Range	0.18527

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	499.7469	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	3.472723
99%	2.121732
95%	1.546062
90%	1.448374
75% Q3	1.342394
50% Median	1.244632
25% Q1	1.157123
10%	1.079561
5%	1.034577
1%	0.939118
0% Min	0.700483

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLD (Right Leg BMD (g/cm2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.700483	SD8568	5544	2.87513	PA3133	2106
0.813976	PI5060	3529	2.97117	SD8313	5293
0.816749	SD8108	5089	3.05683	BI0082	80
0.819977	PA3228	2201	3.31227	PI5113	3582
0.825132	PI4967	3436	3.47272	MN1863	1331

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram                         #  Boxplot
    3.5+*                                             1     *
       .*                                             1     *
       .*                                             1     *
       .*                                             2     *
       .
       .*                                             2     *
       .*                                            24     *
    2.1+**                                           62     *
       .*                                            60     O
       .**                                           79     O
       .**********                                  665     |
       .*********************************************  2912  +--+--+
       .*****************************              1965  +-----+
       .***                                        180     O
    0.7+*                                            1     O
       ----+----+----+----+----+----+----+----+----+---
       * may represent up to 61 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLD (Right Leg BMD (g/cm2))

```
                    Normal Probability Plot
     3.5+                                     *
        |                                     *
        |                                     *
        |                                     *
        |
        |                                     *
        |                                     *
     2.1+                                  ****
        |                                ****
        |                              +**++++++
        |                        +++**********
        |                 ***************
        |           ****************
        |*******+++++
     0.7+*+
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
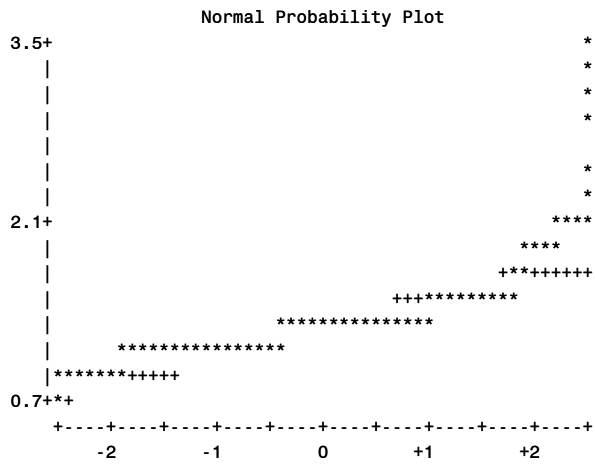
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1BRF (Brain Fat (g))

Moments			
N	5955	Sum Weights	5955
Mean	0.17	Sum Observations	1012.35001
Std Deviation	0	Variance	0
Skewness	.	Kurtosis	.
Uncorrected SS	172.099504	Corrected SS	0
Coeff Variation	0	Std Error Mean	0

Basic Statistical Measures			
Location		Variability	
Mean	0.170000	Std Deviation	0
Median	0.170000	Variance	0
Mode	0.170000	Range	0
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	.	Pr > |t|	.
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	0.17
99%	0.17
95%	0.17
90%	0.17
75% Q3	0.17
50% Median	0.17
25% Q1	0.17
10%	0.17
5%	0.17
1%	0.17
0% Min	0.17

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1BRF (Brain Fat (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.17	SD9018	5994	0.17	SD9014	5990
0.17	SD9017	5993	0.17	SD9015	5991
0.17	SD9016	5992	0.17	SD9016	5992
0.17	SD9015	5991	0.17	SD9017	5993
0.17	SD9014	5990	0.17	SD9018	5994

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDF (Head Fat (g))

Moments			
N	5955	Sum Weights	5955
Mean	1023.63907	Sum Observations	6095770.67
Std Deviation	122.926188	Variance	15110.8477
Skewness	0.96111571	Kurtosis	2.31267584
Uncorrected SS	6329839011	Corrected SS	89969987
Coeff Variation	12.0087433	Std Error Mean	1.59295509

Basic Statistical Measures			
Location		Variability	
Mean	1023.639	Std Deviation	122.92619
Median	1008.089	Variance	15111
Mode	.	Range	1321
		Interquartile Range	151.69196

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	642.6038	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1993.338
99%	1391.259
95%	1246.651
90%	1181.736
75% Q3	1090.848
50% Median	1008.089
25% Q1	939.156
10%	884.469
5%	852.591
1%	799.558
0% Min	671.932

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDF (Head Fat (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
671.932	PO6507	3980	1643.56	MN2014	1482
702.527	MN1978	1446	1696.38	PO6764	4233
713.737	PI5008	3477	1717.25	MN2097	1565
729.769	PA3496	2467	1849.17	MN2240	1708
741.689	PA3395	2366	1993.34	MN2096	1564

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram              #  Boxplot
     1950+*                                1     *
         .*                                1     *
         .*                                1     *
         .*                                4     *
         .*                                7     0
         .**                              44     0
         .***                            112     0
         .********                        322     |
         .********************            865     |
         .******************************************   1779  +--+--+
         .********************************************  1994  +-----+
         .*******************             763     |
         .**                              61      0
      650+*                                1      0
         ----+----+----+----+----+----+----+----+----+---
          * may represent up to 42 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDF (Head Fat (g))

```
                     Normal Probability Plot
     1950+                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                      ***
         |                                 *****++
         |                              ******+++
         |                        ********
         |                   *********
         |               ***********
         |   *************
         |***+++++
      650+*
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDE (Head FFM (g))

Moments			
N	5955	Sum Weights	5955
Mean	4394.75497	Sum Observations	26170765.8
Std Deviation	454.042052	Variance	206154.185
Skewness	0.72788847	Kurtosis	1.73601077
Uncorrected SS	1.16242E11	Corrected SS	1227442018
Coeff Variation	10.3314532	Std Error Mean	5.88376333

Basic Statistical Measures			
Location		Variability	
Mean	4394.755	Std Deviation	454.04205
Median	4350.362	Variance	206154
Mode	.	Range	5125
		Interquartile Range	575.08178

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	746.9293	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	8159.01
99%	5716.50
95%	5194.98
90%	4971.11
75% Q3	4659.66
50% Median	4350.36
25% Q1	4084.58
10%	3858.03
5%	3735.18
1%	3507.48
0% Min	3034.13

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDE (Head FFM (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
3034.13	PO6507	3980	6526.04	MN2240	1708
3071.95	MN1978	1446	6603.15	MN2045	1513
3142.92	PI5008	3477	6704.00	MN2014	1482
3170.26	MN1939	1407	6755.13	PO6764	4233
3213.69	PA3496	2467	8159.01	MN2096	1564

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
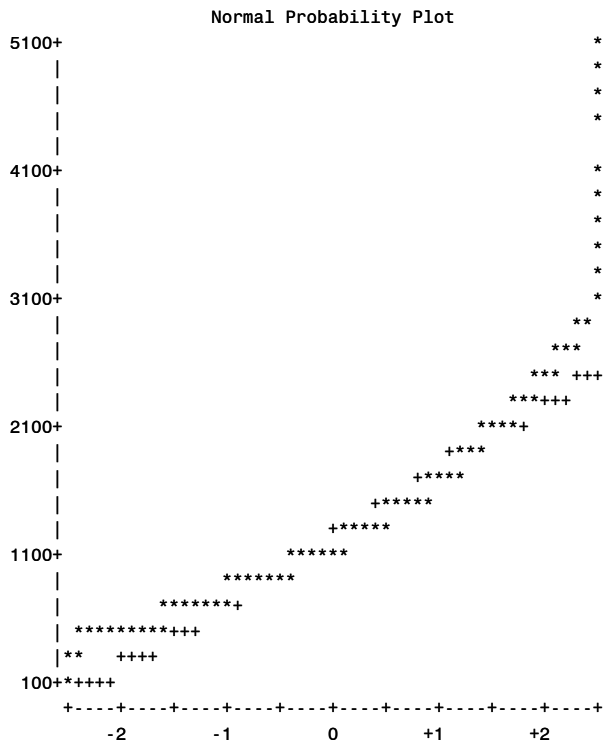Data Univariates

The UNIVARIATE Procedure
Variable: B1HDE (Head FFM (g))

```
                    Histogram                    #  Boxplot
      8100+*                                      1     *
          .
          .
          .
          .
      7100+
          .
          .*                                      3     *
          .*                                      3     *
          .*                                      2     0
      6100+*                                      10     0
          .*                                      21     0
          .**                                     38     0
          .****                                   82     0
          .******                                130     |
      5100+**********                             257     |
          .******************                    444     |
          .**************************            737  +-----+
          .****************************************   967  |     |
          .***************************************************  1149  *--+--*
      4100+***********************************************  1018  +-----+
          .****************************              660     |
          .**************                           313     |
          .****                                      90     |
          .**                                        26     0
      3100+*                                          4     0
          ----+----+----+----+----+----+----+----+----+---
          * may represent up to 24 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDE (Head FFM (g))

```
                    Normal Probability Plot
  8100+                                        *
      |
      |
      |
      |
  7100+
      |
      |                                    *
      |                                    *
      |                                    *
  6100+                                    *
      |                                  *
      |                                ****
      |                              ****+++
      |                            ***+++
  5100+                          *****
      |                        +****
      |                      +*****
      |                    ******
      |                  ******
  4100+                ******
      |              *******
      |            ******+
      |*****+++
      |*+++
  3100+*
      +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```
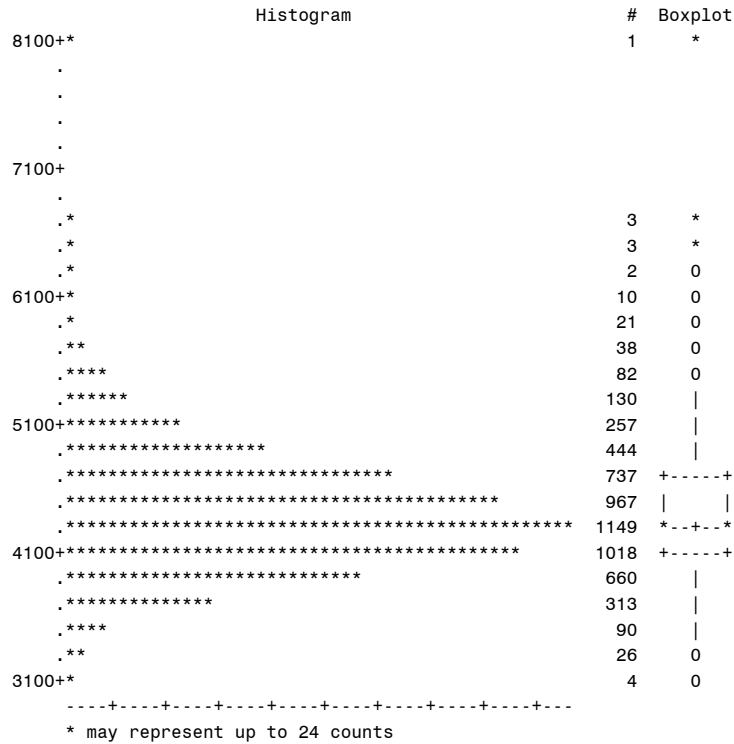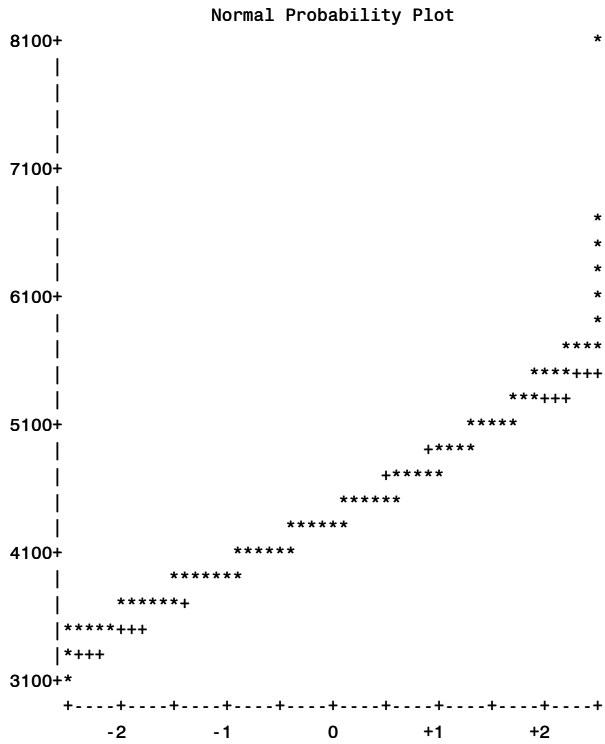
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDM (Head Mass (g))

Moments			
N	5955	Sum Weights	5955
Mean	5418.39404	Sum Observations	32266536.5
Std Deviation	571.723739	Variance	326868.033
Skewness	0.76256579	Kurtosis	1.82203414
Uncorrected SS	1.76779E11	Corrected SS	1946172271
Coeff Variation	10.5515349	Std Error Mean	7.40875686

Basic Statistical Measures			
Location		Variability	
Mean	5418.394	Std Deviation	571.72374
Median	5360.973	Variance	326868
Mode	.	Range	6446
		Interquartile Range	717.93643

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	731.35	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	10152.35
99%	7075.72
95%	6444.95
90%	6146.35
75% Q3	5745.88
50% Median	5360.97
25% Q1	5027.95
10%	4746.28
5%	4587.30
1%	4310.44
0% Min	3706.07

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDM (Head Mass (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
3706.07	PO6507	3980	8184.84	MN2097	1565
3774.47	MN1978	1446	8347.56	MN2014	1482
3856.66	PI5008	3477	8375.21	MN2240	1708
3917.52	MN1939	1407	8451.52	PO6764	4233
3943.46	PA3496	2467	10152.35	MN2096	1564

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram                             #  Boxplot
       10250+*                                            1     *
            .
            .
            .
            .*                                            6     *
            .*                                           11     0
            .**                                          53     0
            .****                                       184     0
            .*************                              573     |
            .*******************************           1550  +-----+
            .**********************************************  2200  *--+--*
            .*************************                     1202     |
            .****                                          169     |
        3750+*                                             6     0
            ----+----+----+----+----+----+----+----+----+---
            * may represent up to 46 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDM (Head Mass (g))

```
                       Normal Probability Plot
     10250+                                      *
         |
         |
         |
         |                                    *
         |                                    *
         |                                  ***
         |                            *******++
         |                       *******+
         |                   +*********
         |              ***********
         |         *************
         |*******++
     3750+*
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDP (Head %Fat)

Moments			
N	5955	Sum Weights	5955
Mean	18.8728192	Sum Observations	112387.638
Std Deviation	0.58238455	Variance	0.33917177
Skewness	0.84477457	Kurtosis	1.77330304
Uncorrected SS	2123091.01	Corrected SS	2019.42869
Coeff Variation	3.0858376	Std Error Mean	0.00754691

Basic Statistical Measures			
Location		Variability	
Mean	18.87282	Std Deviation	0.58238
Median	18.79970	Variance	0.33917
Mode	.	Range	5.86153
		Interquartile Range	0.68921

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	2500.736	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	22.7100
99%	20.6288
95%	19.9466
90%	19.6326
75% Q3	19.1739
50% Median	18.7997
25% Q1	18.4847
10%	18.2116
5%	18.0544
1%	17.7739
0% Min	16.8485

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDP (Head %Fat)

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
16.8485	PA3917	2887	21.5408	MN2340	1808
16.9060	PI5386	3855	21.7400	PI4609	3078
17.0425	SD8163	5144	22.0791	MN2240	1708
17.1389	PI5388	3857	22.5743	PI5052	3521
17.3675	PA3898	2868	22.7100	BI0728	720

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                  Histogram                       #  Boxplot
   22.75+*                                         2     *
        .*                                         1     *
        .*                                         2     *
        .*                                        14     0
        .**                                       64     0
        .****                                    177     0
   19.75+*************                            532     |
        .**************************             1333  +-----+
        .**********************************************  2278  *--+--*
        .**************************            1323  +-----+
        .*****                                  216     |
        .*                                       11     0
   16.75+*                                        2     0
        ----+----+----+----+----+----+----+----+----+---
        * may represent up to 48 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDP (Head %Fat)

```
                        Normal Probability Plot
     22.75+                                          *
         |                                           *
         |                                           *
         |                                           *
         |                                        ****
         |                                    ******+++
     19.75+                               *******++
         |                          +********
         |                    **********
         |          *************
         |*********+++
         |*+
     16.75+*
          +----+----+----+----+----+----+----+----+----+----+
              -2        -1        0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAF (Left Arm Fat (g))

Moments			
N	5955	Sum Weights	5955
Mean	1222.40863	Sum Observations	7279443.42
Std Deviation	497.232722	Variance	247240.38
Skewness	1.51784701	Kurtosis	5.93235043
Uncorrected SS	1.03705E10	Corrected SS	1472069221
Coeff Variation	40.6764733	Std Error Mean	6.44345527

Basic Statistical Measures			
Location		Variability	
Mean	1222.409	Std Deviation	497.23272
Median	1143.978	Variance	247240
Mode	.	Range	6193
		Interquartile Range	571.22377

Tests for Location: Mu0=0					
Test		Statistic		p Value	
Student's t	t	189.7132	Pr > |t|	<.0001	
Sign	M	2977.5	Pr >= |M|	<.0001	
Signed Rank	S	8866995	Pr >= |S|	<.0001	

Quantiles (Definition 5)	
Level	Quantile
100% Max	6329.259
99%	2782.835
95%	2123.932
90%	1844.420
75% Q3	1457.688
50% Median	1143.978
25% Q1	886.464
10%	690.955
5%	589.217
1%	400.481
0% Min	136.584

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAF (Left Arm Fat (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
136.584	SD8163	5144	4451.18	MN2062	1530
182.679	MN2458	1926	4486.75	PI5082	3551
193.309	BI0744	736	4988.70	PI4725	3194
210.694	SD8490	5466	5381.95	BI0753	745
213.400	MN2277	1745	6329.26	MN2454	1922

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram                        #  Boxplot
    6250+*                                            1     *
        .
        .*                                            1     *
        .*                                            1     *
        .*                                            6     *
        .*                                            5     *
    3250+*                                           22     O
        .**                                          98     O
        .******                                     271     O
        .******************                         956     |
        .*************************************************  2455  +--+--+
        .*************************************       1988  +-----+
     250+***                                        151     |
        ----+----+----+----+----+----+----+----+----+---
         * may represent up to 52 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAF (Left Arm Fat (g))

```
                        Normal Probability Plot
       6250+                                        *
           |
           |                                      *
           |                                      *
           |                                      *
           |                                      *
       3250+                                      *
           |                                  ******
           |                              ******+++++
           |                        +*********
           |                ************
           |      *****************
        250+******+++++
           +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```
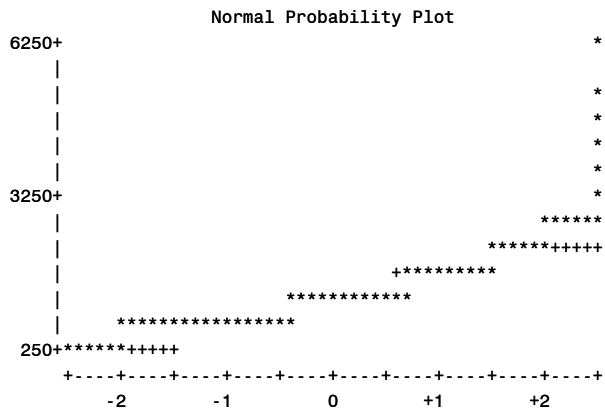
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAE (Left Arm FFM (g))

Moments			
N	5955	Sum Weights	5955
Mean	3354.76302	Sum Observations	19977613.8
Std Deviation	600.299616	Variance	360359.629
Skewness	0.53187158	Kurtosis	0.74384544
Uncorrected SS	6.91657E10	Corrected SS	2145581232
Coeff Variation	17.89395	Std Error Mean	7.7790611

Basic Statistical Measures			
Location		Variability	
Mean	3354.763	Std Deviation	600.29962
Median	3312.246	Variance	360360
Mode	.	Range	5723
		Interquartile Range	786.45914

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	431.2555	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6564.535
99%	5039.369
95%	4404.994
90%	4125.550
75% Q3	3721.700
50% Median	3312.246
25% Q1	2935.241
10%	2624.167
5%	2462.180
1%	2191.104
0% Min	841.649

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAE (Left Arm FFM (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
841.649	SD8564	5540	5855.62	BI0912	903
949.020	PO7114	4580	5887.60	PI5011	3480
1562.194	MN2275	1743	5896.80	MN2014	1482
1574.664	SD8886	5862	5932.82	PO7477	4942
1578.062	SD8747	5723	6564.53	MN2298	1766

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                Histogram                      #  Boxplot
   6750+*                                       1     *
       .
       .*                                      12     0
       .**                                     59     0
       .****                                  158     0
       .**************                        595     |
   3750+********************************     1382  +-----+
       .*********************************************  2021  *--+--*
       .*****************************         1365  +-----+
       .********                              343     |
       .*                                      17     0
       .
    750+*                                       2     0
       ----+----+----+----+----+----+----+----+----+--
        * may represent up to 43 counts
```
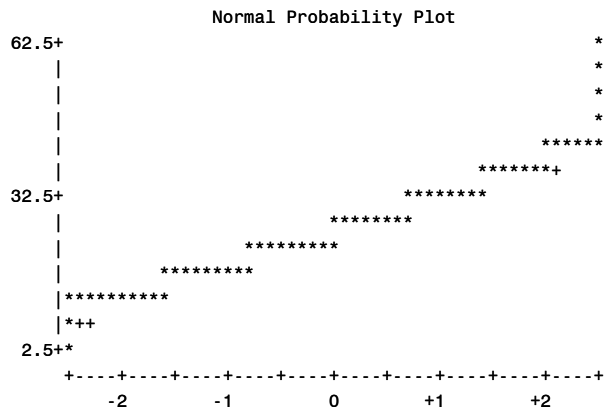
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAE (Left Arm FFM (g))

```
                     Normal Probability Plot
     6750+                                       *
         |
         |                                          *
         |                                        ***
         |                                  ******++
         |                           ********+
     3750+                      *********
         |                 **********
         |            **********
         |***********
         |*++
         |
      750+*
         +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```
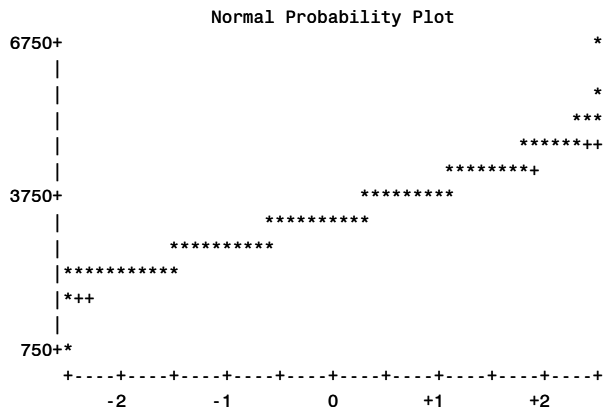
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAM (Left Arm Mass (g))

Moments			
N	5955	Sum Weights	5955
Mean	4577.17166	Sum Observations	27257057.2
Std Deviation	913.514087	Variance	834507.987
Skewness	0.93772087	Kurtosis	2.24389646
Uncorrected SS	1.29729E11	Corrected SS	4968660554
Coeff Variation	19.9580474	Std Error Mean	11.8378918

Basic Statistical Measures			
Location		Variability	
Mean	4577.172	Std Deviation	913.51409
Median	4468.724	Variance	834508
Mode	.	Range	8885
		Interquartile Range	1177

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	386.6543	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	10711.82
99%	7163.96
95%	6172.87
90%	5733.84
75% Q3	5109.42
50% Median	4468.72
25% Q1	3932.46
10%	3520.64
5%	3313.60
1%	2937.28
0% Min	1827.05

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAM (Left Arm Mass (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1827.05	SD8564	5540	9456.28	MN1928	1396
2199.51	SD8747	5723	9898.54	PI4815	3284
2201.72	PO7114	4580	10231.10	MN2298	1766
2366.60	SD8656	5632	10613.84	PI4725	3194
2382.91	SD9014	5990	10711.82	MN2454	1922

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                       Histogram                #  Boxplot
      10750+*                                    2     *
           .*                                    1     *
           .*                                    1     *
           .*                                    2     *
           .*                                   12     0
           .*                                    6     0
           .*                                   17     0
           .**                                  44     0
           .****                               110     0
       6250+*******                            201     |
           .***************                    448     |
           .**************************         860  +-----+
           .**************************************** 1175 |  +  |
           .********************************************* 1410 *-----*
           .*********************************** 1105  +-----+
           .****************                   479     |
           .***                                 75     |
           .*                                    6     |
       1750+*                                    1     0
           ----+----+----+----+----+----+----+----+--
           * may represent up to 30 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAM (Left Arm Mass (g))

```
                        Normal Probability Plot
    10750+                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                     ****
         |                               *****+++
     6250+                            ****+++
         |                         *****
         |                     +******
         |                  *******
         |               *******
         |            ********
         |      **********+
         |****++++
         |*++
     1750+*
         +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```
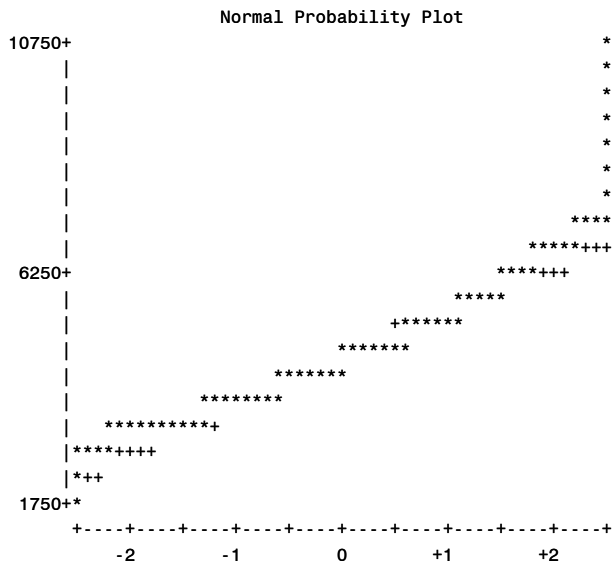
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAP (Left Arm %Fat)

Moments			
N	5955	Sum Weights	5955
Mean	26.1479924	Sum Observations	155711.295
Std Deviation	6.89761439	Variance	47.5770843
Skewness	0.33035224	Kurtosis	0.46762792
Uncorrected SS	4354811.7	Corrected SS	283273.96
Coeff Variation	26.3791357	Std Error Mean	0.08938364

Basic Statistical Measures			
Location		Variability	
Mean	26.14799	Std Deviation	6.89761
Median	25.82029	Variance	47.57708
Mode	.	Range	57.30403
		Interquartile Range	9.07850

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	292.5367	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	62.17400
99%	43.88379
95%	38.01071
90%	34.95588
75% Q3	30.52142
50% Median	25.82029
25% Q1	21.44292
10%	17.74222
5%	15.42036
1%	11.17900
0% Min	4.86997

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAP (Left Arm %Fat)

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
4.86997	SD8163	5144	53.9339	SD8564	5540
5.14211	MN2458	1926	56.8964	PO7114	4580
5.47398	BI0744	736	56.8989	SD8080	5061
5.49264	PA3747	2718	59.0867	MN2454	1922
6.74121	PO7130	4596	62.1740	BI0753	745

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram                       #  Boxplot
     62.5+*                                          1     *
         .*                                          3     0
         .*                                          7     0
         .*                                         29     0
         .****                                     136     0
         .************                             416     |
     32.5+*****************************           1038  +-----+
         .**********************************************  1637  *--+--*
         .*********************************************   1593  +-----+
         .***********************                    830     |
         .*******                                    228     |
         .**                                          36     0
      2.5+*                                            1     0
         ----+----+----+----+----+----+----+----+--
         * may represent up to 35 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAP (Left Arm   %Fat)

```
                          Normal Probability Plot
      62.5+                                      *
          |                                      *
          |                                      *
          |                                      *
          |                                *******
          |                           *******+
      32.5+                     ********
          |                 ********
          |            *********
          |       *********
          |*********
          |*+
       2.5+*
          +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```
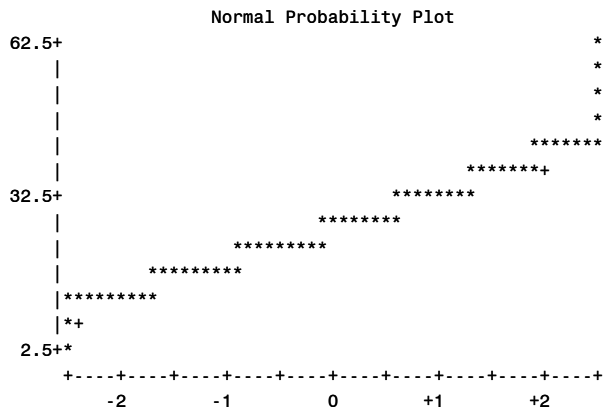
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAF (Right Arm Fat (g))

Moments			
N	5955	Sum Weights	5955
Mean	1243.31112	Sum Observations	7403917.71
Std Deviation	507.0104	Variance	257059.546
Skewness	1.39246658	Kurtosis	4.30778817
Uncorrected SS	1.07359E10	Corrected SS	1530532536
Coeff Variation	40.779045	Std Error Mean	6.57016059

Basic Statistical Measures			
Location		Variability	
Mean	1243.311	Std Deviation	507.01040
Median	1160.420	Variance	257060
Mode	.	Range	4927
		Interquartile Range	593.50629

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	189.236	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5108.413
99%	2817.262
95%	2176.847
90%	1873.746
75% Q3	1488.102
50% Median	1160.420
25% Q1	894.596
10%	698.693
5%	592.353
1%	406.239
0% Min	181.829

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAF (Right Arm Fat (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
181.829	SD8163	5144	4566.89	PI5284	3753
191.750	BI0744	736	4693.80	PI5082	3551
212.021	PO7130	4596	4698.99	MN2062	1530
216.208	MN2458	1926	4900.78	MN1519	988
227.940	SD8490	5466	5108.41	BI0753	745

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAF (Right Arm Fat (g))

```
                    Histogram              #  Boxplot
      5100+*                                1     *
          .*                                1     *
          .*                                2     *
          .*                                2     *
          .
      4100+*                                4     *
          .*                                4     *
          .*                                3     *
          .*                                3     *
          .*                               11     O
      3100+*                               11     O
          .*                               19     O
          .**                              40     O
          .****                            79     O
          .*****                           95     O
      2100+********                        175     |
          .************                    268     |
          .******************              439     |
          .**************************      688  +-----+
          .*******************************************  927  |  +  |
      1100+***************************************************  1099  *-----*
          .**************************************************  1088  +-----+
          .*****************************   682     |
          .************                   262     |
          .***                             50     |
       100+*                                2     |
          ----+----+----+----+----+----+----+----+----+---
          * may represent up to 23 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAF (Right Arm Fat (g))

```
                    Normal Probability Plot
   5100+                                        *
       |                                        *
       |                                        *
       |                                        *
       |
   4100+                                        *
       |                                        *
       |                                        *
       |                                        *
       |                                        *
   3100+                                        *
       |                                     **
       |                                   ***
       |                                ***  +++
       |                              ***+++
   2100+                            ****+
       |                          +***
       |                         +****
       |                       +*****
       |                     +*****
   1100+                   ******
       |                 *******
       |               *******+
       |  ***********+++
       |** ++++
   100+*+++++
       +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAE (Right Arm FFM (g))

Moments			
N	5955	Sum Weights	5955
Mean	3534.22124	Sum Observations	21046287.5
Std Deviation	608.247045	Variance	369964.468
Skewness	0.4628293	Kurtosis	0.36734099
Uncorrected SS	7.6585E10	Corrected SS	2202768442
Coeff Variation	17.2102142	Std Error Mean	7.8820489

Basic Statistical Measures			
Location		Variability	
Mean	3534.221	Std Deviation	608.24705
Median	3503.264	Variance	369964
Mode	.	Range	4615
		Interquartile Range	819.69996

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	448.3886	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6214.91
99%	5192.94
95%	4606.51
90%	4331.38
75% Q3	3915.55
50% Median	3503.26
25% Q1	3095.85
10%	2783.97
5%	2614.41
1%	2334.68
0% Min	1600.20

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAE (Right Arm FFM (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1600.20	MN1754	1222	5997.40	MN1521	990
1684.03	SD8747	5723	6056.12	BI0912	903
1707.04	MN1504	973	6076.20	MN2298	1766
1839.53	SD8189	5170	6092.24	PI5055	3524
1959.26	BI0118	116	6214.91	MN2278	1746

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAE (Right Arm FFM (g))

```
                Histogram                        #  Boxplot
   6300+*                                         1     0
       .*                                         3     0
       .*                                         3     0
       .*                                         6     0
       .*                                        16     0
       .**                                       29     0
       .***                                      45     0
       .*****                                    70     |
       .*********                               130     |
       .*************                           208     |
       .*****************                       271     |
       .***************************             452     |
       .************************************    600  +-----+
       .************************************************   750  |     |
       .*************************************************  768  *--+--*
       .************************************************   748  |     |
       .*******************************************        694  +-----+
       .********************************           541     |
       .*********************               335     |
       .*************                201     |
       .****                          63     |
       .*                             16     |
       .*                              2     0
   1700+*                              3     0
        ----+----+----+----+----+----+----+----+----+---
        * may represent up to 16 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAE (Right Arm FFM (g))

```
                     Normal Probability Plot
    6300+                                         *
        |                                         *
        |                                         *
        |                                         *
        |                                         *
        |                                       ***
        |                                     *** +
        |                                  ***+++
        |                                ****+
        |                              ***+
        |                           ****
        |                         ****
        |                       ****
        |                     ****
        |                   *****
        |                 ****
        |               *****
        |             *****
        |           *****
        |         ******+
        |****+++
        |*+++
        |*
    1700+*
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
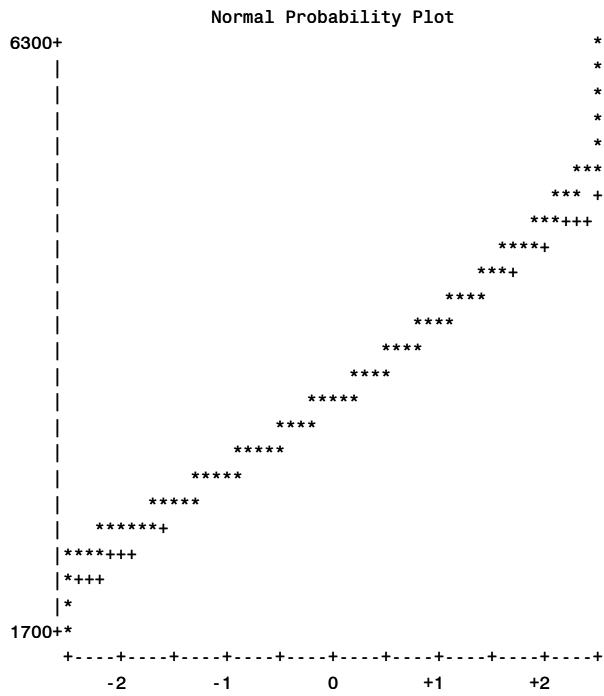
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAM (Right Arm Mass (g))

Moments			
N	5955	Sum Weights	5955
Mean	4777.53235	Sum Observations	28450205.2
Std Deviation	928.985533	Variance	863014.121
Skewness	0.82496509	Kurtosis	1.54923404
Uncorrected SS	1.4106E11	Corrected SS	5138386074
Coeff Variation	19.4448821	Std Error Mean	12.0383806

Basic Statistical Measures			
Location		Variability	
Mean	4777.532	Std Deviation	928.98553
Median	4677.056	Variance	863014
Mode	.	Range	8139
		Interquartile Range	1200

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	396.8584	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	10370.68
99%	7455.50
95%	6391.99
90%	5972.13
75% Q3	5321.28
50% Median	4677.06
25% Q1	4121.03
10%	3694.66
5%	3481.21
1%	3124.89
0% Min	2231.64

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAM (Right Arm Mass (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
2231.64	MN1754	1222	9432.65	PI4831	3300
2513.83	BI0124	122	9469.52	PI5082	3551
2518.88	SD8189	5170	9671.86	PI4755	3224
2544.42	SD8656	5632	9735.09	MN1533	1002
2550.22	MN1504	973	10370.68	MN1519	988

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                      Histogram                     #  Boxplot
   10250+*                                           1     *
        .*                                           2     *
        .*                                           8     *
        .*                                           7     0
        .*                                           9     0
        .**                                         29     0
        .***                                        66     0
        .******                                    139     |
    6250+************                              306     |
        .***********************                   630     |
        .**********************************        968  +-----+
        .************************************************* 1293 *--+--*
        .************************************************ 1271  +-----+
        .********************************           901     |
        .***********                                287     |
        .**                                          37     |
    2250+*                                            1     0
        ----+----+----+----+----+----+----+----+---
         * may represent up to 27 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAM (Right Arm Mass (g))

```
                   Normal Probability Plot
  10250+                                       *
      |                                         *
      |                                         *
      |                                         *
      |                                         *
      |                                        **
      |                                   ****++
      |                                 ****+++
  6250+                             *****+
      |                          ******
      |                      ******
      |                   ******
      |               *******
      |          *********
      |**********++
      |*+++++
  2250+*
      +----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```
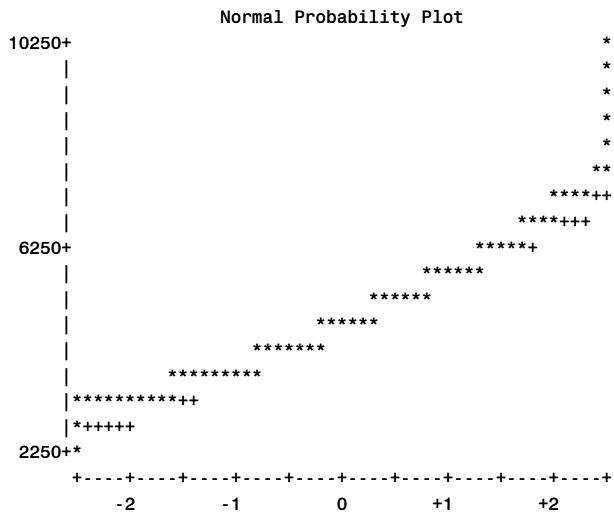
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAP (Right Arm %Fat)

Moments			
N	5955	Sum Weights	5955
Mean	25.4507245	Sum Observations	151559.065
Std Deviation	6.77998757	Variance	45.9682315
Skewness	0.34831671	Kurtosis	0.38861366
Uncorrected SS	4130982.85	Corrected SS	273694.85
Coeff Variation	26.6396643	Std Error Mean	0.08785936

Basic Statistical Measures			
Location		Variability	
Mean	25.45072	Std Deviation	6.77999
Median	25.04926	Variance	45.96823
Mode	.	Range	57.68524
		Interquartile Range	8.89045

Tests for Location: Mu0=0					
Test		Statistic		p Value	
Student's t	t	289.6757	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	62.4590
99%	43.0248
95%	37.1199
90%	34.2099
75% Q3	29.7250
50% Median	25.0493
25% Q1	20.8346
10%	17.0750
5%	14.9973
1%	10.9163
0% Min	4.7738

MROS Study: B1AUG16
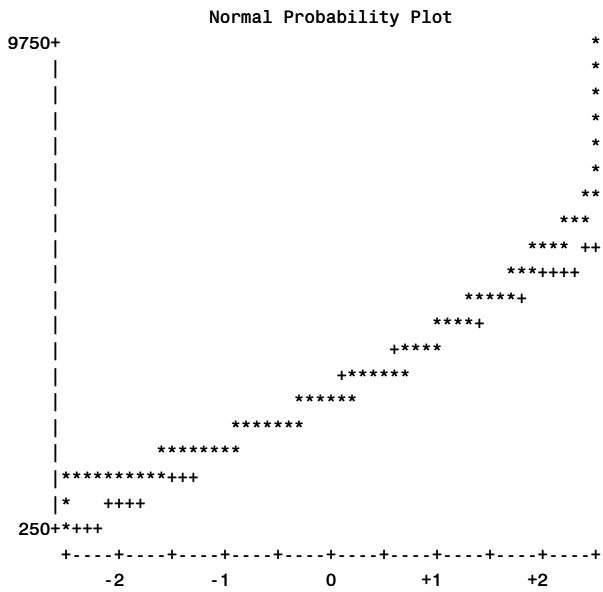Data Univariates

The UNIVARIATE Procedure
Variable: B1RAP (Right Arm %Fat)

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
4.77380	BI0744	736	51.0013	PI5284	3753
5.55729	PO7130	4596	51.0980	MN2454	1922
5.58749	PO6806	4275	53.7825	MN2062	1530
6.01824	MN2458	1926	58.9773	SD8577	5553
6.32236	SD8163	5144	62.4590	BI0753	745

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
               Histogram               #   Boxplot
   62.5+*                               1      *
       .*                               1      *
       .*                               4      0
       .*                              30      0
       .***                           105      0
       .*********                     348      |
   32.5+*************************      938      |
       .*****************************************  1560   +--+--+
       .*******************************************  1745   +-----+
       .************************       925      |
       .********                      260      |
       .*                             37      0
    2.5+*                              1      0
       ----+----+----+----+----+----+----+----+----+---
       * may represent up to 37 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAP (Right Arm %Fat)

```
                    Normal Probability Plot
   62.5+                                      *
       |                                      *
       |                                      *
       |                                      *
       |                                ******
       |                            *******+
   32.5+                       ********
       |                   ********
       |               *********
       |          *********
       |**********
       |*++
    2.5+*
       +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKF (Trunk Fat (g))

Moments			
N	5955	Sum Weights	5955
Mean	12243.174	Sum Observations	72908101.1
Std Deviation	4263.43671	Variance	18176892.6
Skewness	0.53633809	Kurtosis	0.46504467
Uncorrected SS	1.00085E12	Corrected SS	1.08225E11
Coeff Variation	34.8229692	Std Error Mean	55.2483023

Basic Statistical Measures			
Location		Variability	
Mean	12243.17	Std Deviation	4263
Median	11872.19	Variance	18176893
Mode	.	Range	29781
		Interquartile Range	5534

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	221.6027	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	31629.43
99%	24095.99
95%	19880.89
90%	17813.88
75% Q3	14801.03
50% Median	11872.19
25% Q1	9266.86
10%	7068.65
5%	5786.93
1%	3838.43
0% Min	1848.37

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKF (Trunk Fat (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1848.37	PO7130	4596	28982.9	PI5247	3716
2047.38	SD8163	5144	29390.2	BI0732	724
2194.62	SD8490	5466	29408.2	BI0753	745
2272.78	MN1951	1419	30023.6	MN2454	1922
2298.82	BI0744	736	31629.4	PA3080	2054

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
               Histogram                       #  Boxplot
 31000+*                                        2    0
      .*                                        5    0
      .*                                       20    0
 25000+**                                      34    0
      .***                                     75    0
      .******                                 146    |
 19000+************                           278    |
      .********************                   520    |
      .****************************           760  +-----+
 13000+**********************************    1065  |  +  |
      .****************************************** 1166  *-----*
      .************************************      974  +-----+
  7000+************************               577    |
      .***********                            265    |
      .***                                     67    |
  1000+*                                        1    |
      ----+----+----+----+----+----+----+----+--
      * may represent up to 25 counts
```
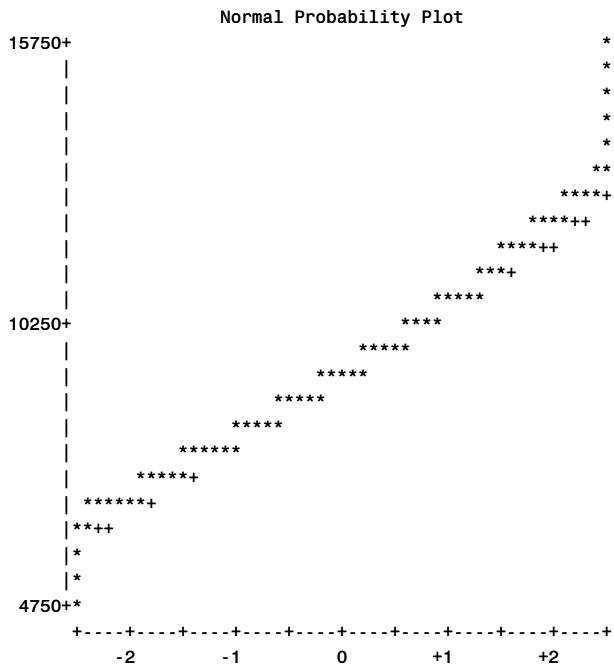
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKF (Trunk Fat (g))

```
                    Normal Probability Plot
 31000+                                       *
      |                                       *
      |                                       *
 25000+                                   ***
      |                                 ****++
      |                              ****++
 19000+                           *****+
      |                         *****
      |                      *****
 13000+                   ******
      |                 ******
      |             ******
  7000+         *******
      |    ********+
      |***+++
 1000+*
      +----+----+----+----+----+----+----+----+----+----+
         -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKE (Trunk FFM (g))

Moments			
N	5955	Sum Weights	5955
Mean	29483.8631	Sum Observations	175576405
Std Deviation	3870.0196	Variance	14977051.7
Skewness	0.36797638	Kurtosis	0.13123312
Uncorrected SS	5.26584E12	Corrected SS	8.91734E10
Coeff Variation	13.1258905	Std Error Mean	50.1501553

Basic Statistical Measures			
Location		Variability	
Mean	29483.86	Std Deviation	3870
Median	29222.99	Variance	14977052
Mode	.	Range	29632
		Interquartile Range	5189

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	587.9117	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	45606.2
99%	39554.6
95%	36280.0
90%	34650.0
75% Q3	31929.3
50% Median	29223.0
25% Q1	26740.5
10%	24703.9
5%	23641.0
1%	21438.5
0% Min	15974.1

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKE (Trunk FFM (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
15974.1	SD8656	5632	42991.8	PI5026	3495
18499.8	PI5171	3640	43032.3	PO7026	4495
18976.9	PO7457	4922	43062.8	SD8984	5960
19063.6	MN1504	973	44459.9	MN2014	1482
19069.2	MN2073	1541	45606.2	PA3908	2878

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                 Histogram                  #  Boxplot
   45000+*                                   2    O
       .*                                   10    O
       .**                                  33    O
   39000+****                               93    O
       .********                           199    |
       .***************                    414    |
   33000+**************************         706    |
       .*****************************************  1043  +-----+
       .**************************************************  1244  *--+--*
   27000+******************************************  1108  +-----+
       .**************************             726    |
       .************                          290    |
   21000+***                                   72    |
       .*                                      14    O
       .
   15000+*                                      1    O
       ----+----+----+----+----+----+----+----+---
        * may represent up to 26 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKE (Trunk FFM (g))

```
                          Normal Probability Plot
 45000+                                          *
      |                                          *
      |                                         **
 39000+                                    *****+
      |                                 *****++
      |                            ******
 33000+                       *****
      |                    ******
      |                 ******
 27000+              *******
      |           *******
      |       ********
 21000+*****++
      |*
      |
 15000+*
       +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```
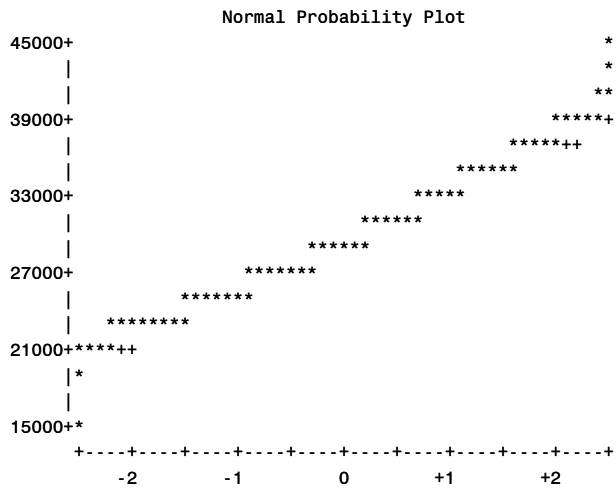
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKM (Trunk Mass (g))

Moments			
N	5955	Sum Weights	5955
Mean	41759.3158	Sum Observations	248676726
Std Deviation	7151.68697	Variance	51146626.5
Skewness	0.51386516	Kurtosis	0.34254325
Uncorrected SS	1.06891E13	Corrected SS	3.04527E11
Coeff Variation	17.1259678	Std Error Mean	92.6760711

Basic Statistical Measures			
Location		Variability	
Mean	41759.32	Std Deviation	7152
Median	41057.20	Variance	51146626
Mode	.	Range	49206
		Interquartile Range	9412

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	450.5944	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	70876.7
99%	61597.8
95%	54730.0
90%	51113.9
75% Q3	46111.0
50% Median	41057.2
25% Q1	36698.9
10%	33217.5
5%	31109.7
1%	27561.5
0% Min	21670.7

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKM (Trunk Mass (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
21670.7	SD8656	5632	68237.8	MN1864	1332
22685.4	PI5171	3640	68602.8	BI0732	724
23137.0	MN2073	1541	68951.6	BI0149	147
24035.7	PI5007	3476	70209.3	PA3908	2878
24155.1	MN2051	1519	70876.7	SD8984	5960

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

The UNIVARIATE Procedure
Variable: B1TKM (Trunk Mass (g))

```
                    Histogram                    #  Boxplot
   71000+*                                        2   O
        .*                                        3   O
        .*                                        6   O
        .*                                       11   O
        .***                                     33   O
   61000+***                                     36   O
        .****                                    59   |
        .*****                                   75   |
        .********                               120   |
        .***********                            158   |
   51000+*****************                      245   |
        .**********************                 342   |
        .***************************            424  +-----+
        .************************************   534  |     |
        .******************************************  626  |     |
   41000+*************************************************  698  *--+--*
        .*********************************************  666  |     |
        .********************************************  655  +-----+
        .*********************************       517   |
        .**********************                 345   |
   31000+****************                       215   |
        .*******                               105   |
        .*****                                  61   |
        .**                                     16   |
        .*                                       2   |
   21000+*                                        1   O
        ----+----+----+----+----+----+----+----+----+--
        * may represent up to 15 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKM (Trunk Mass (g))

```
                        Normal Probability Plot
   71000+                                       *
        |                                       *
        |                                       *
        |                                       *
        |                                      **
   61000+                                   ***
        |                                 ***+++
        |                               ***++
        |                             ***+
        |                            ***+
   51000+                          ****
        |                        ***
        |                      +***
        |                     ****
        |                   ****
   41000+                 ****
        |               ****
        |             ****
        |           ****
        |         ****+
   31000+      *****+
        |    *****++
        |****++
        |*++
        |*
   21000+*
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKP (Trunk %Fat)

Moments			
N	5955	Sum Weights	5955
Mean	28.7081578	Sum Observations	170957.08
Std Deviation	6.23683655	Variance	38.8981302
Skewness	-0.3052276	Kurtosis	0.00739104
Uncorrected SS	5139462.3	Corrected SS	231599.467
Coeff Variation	21.7249626	Std Error Mean	0.08082086

Basic Statistical Measures			
Location		Variability	
Mean	28.70816	Std Deviation	6.23684
Median	29.02987	Variance	38.89813
Mode	.	Range	43.13148
		Interquartile Range	8.42906

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	355.2073	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	49.93694
99%	41.71334
95%	38.25782
90%	36.44825
75% Q3	33.10459
50% Median	29.02987
25% Q1	24.67553
10%	20.43592
5%	17.58132
1%	12.60583
0% Min	6.80546

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKP (Trunk %Fat)

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
6.80546	SD8163	5144	45.5754	SD8666	5642
7.03748	PO7130	4596	45.5834	SD8805	5781
7.68361	PO6806	4275	46.2834	BI0655	647
8.07494	BI0744	736	47.2838	BI0753	745
8.19726	MN2458	1926	49.9369	PA3080	2054

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram                          #   Boxplot
    49+*                                                1      0
      .*                                                2      0
      .*                                               10      |
      .***                                             43      |
      .*****                                           85      |
      .************                                   189      |
      .********************                           351      |
    35+*****************************                  521      |
      .*****************************************      687   +-----+
      .*****************************************      717   |     |
      .*********************************************  770   *--+--*
      .******************************************     705   |     |
      .*********************************            592   +-----+
      .************************                      440      |
    21+******************                            305      |
      .*************                                 208      |
      .*********                                     146      |
      .******                                         87      |
      .****                                           58      |
      .**                                             24      0
      .*                                              11      0
     7+*                                               3      0
      ----+----+----+----+----+----+----+----+----+-
       * may represent up to 17 counts
```
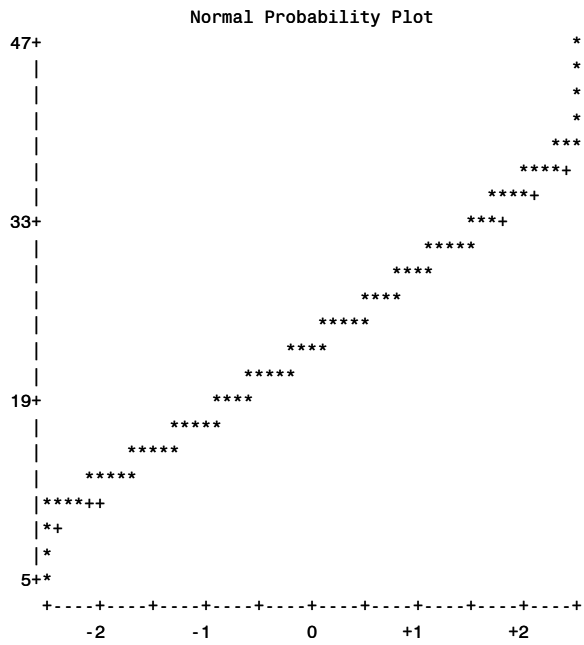
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKP (Trunk %Fat)

```
                         Normal Probability Plot
    49+                                              *
      |                                              *
      |                                              *
      |                                          ++**
      |                                        +****
      |                                      +*****
      |                                   *****
    35+                                 *****
      |                               ****
      |                             ****
      |                           *****
      |                         ****
      |                       ****
      |                     ****
    21+                   ***
      |                 +****
      |               +****
      |             ++***
      |*****
      |*
      |*
     7+*
       +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```
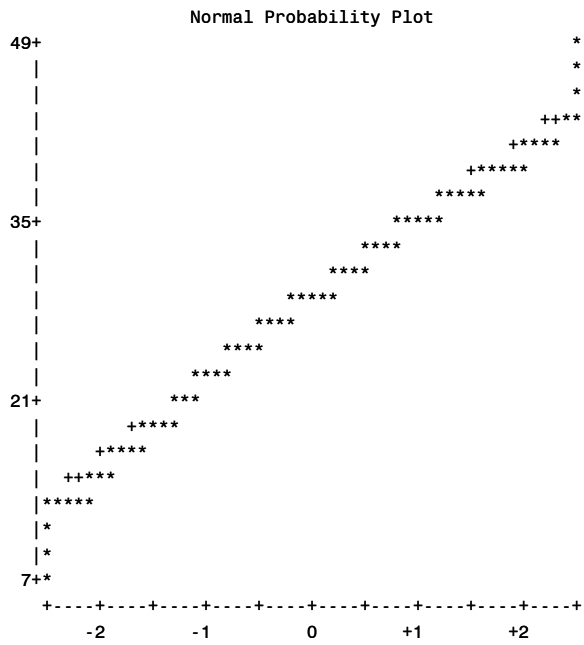
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLF (Left Leg Fat (g))

Moments			
N	5955	Sum Weights	5955
Mean	2936.80244	Sum Observations	17488658.5
Std Deviation	1107.99437	Variance	1227651.53
Skewness	1.07803121	Kurtosis	2.12850842
Uncorrected SS	5.86702E10	Corrected SS	7309437208
Coeff Variation	37.7279165	Std Error Mean	14.35809

Basic Statistical Measures			
Location		Variability	
Mean	2936.802	Std Deviation	1108
Median	2766.821	Variance	1227652
Mode	.	Range	9100
		Interquartile Range	1353

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	204.5399	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	9591.255
99%	6358.477
95%	4964.238
90%	4420.700
75% Q3	3510.108
50% Median	2766.821
25% Q1	2157.508
10%	1709.213
5%	1459.929
1%	1101.939
0% Min	491.536

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLF (Left Leg Fat (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
491.536	SD8163	5144	8728.76	BI0924	915
520.774	MN2458	1926	8826.19	BI0258	254
632.727	PO7130	4596	9303.28	PI5082	3551
685.370	PA3622	2593	9350.96	MN2454	1922
694.349	PA3092	2065	9591.26	PI5113	3582

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
               Histogram                        #  Boxplot
    9750+*                                       1     *
        .*                                       2     *
        .*                                       3     *
        .*                                       5     *
        .*                                       8     *
        .*                                       9     0
        .*                                      21     0
        .**                                     39     0
        .***                                    72     0
        .*****                                 130     |
        .*********                             250     |
        .**************                        352     |
        .***********************               609  +-----+
        .***********************************   958  |     |
        .*************************************************  1148  *--+--*
        .*************************************************** 1210  +-----+
        .*****************************          803     |
        .************                          298     |
        .**                                     36     |
     250+*                                       1     |
        ----+----+----+----+----+----+----+----+--
        * may represent up to 26 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLF (Left Leg Fat (g))

```
                       Normal Probability Plot
      9750+                                     *
          |                                     *
          |                                     *
          |                                     *
          |                                     *
          |                                     *
          |                                    **
          |                                 ***
          |                            **** ++
          |                          ***+++++
          |                      *****+
          |                   ****+
          |                ++****
          |              +******
          |             ******
          |          *******
          |       ********
          |**********+++
          |*    ++++
      250+*+++
          +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLE (Left Leg FFM (g))

Moments			
N	5955	Sum Weights	5955
Mean	9309.88581	Sum Observations	55440370
Std Deviation	1336.56132	Variance	1786396.16
Skewness	0.4428168	Kurtosis	0.42794615
Uncorrected SS	5.2678E11	Corrected SS	1.06362E10
Coeff Variation	14.3563664	Std Error Mean	17.3200047

Basic Statistical Measures			
Location		Variability	
Mean	9309.886	Std Deviation	1337
Median	9205.382	Variance	1786396
Mode	.	Range	10941
		Interquartile Range	1723

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	537.5221	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	15502.19
99%	12939.86
95%	11652.81
90%	11061.04
75% Q3	10123.08
50% Median	9205.38
25% Q1	8400.16
10%	7674.13
5%	7293.87
1%	6571.39
0% Min	4561.33

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLE (Left Leg FFM (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
4561.33	MN1686	1155	14254.1	SD8158	5139
5390.42	SD8189	5170	14266.3	BI0912	903
5431.34	BI0118	116	14848.5	BI0230	227
5683.72	PI4807	3276	15375.6	PI4932	3401
5759.57	SD8747	5723	15502.2	BI0974	963

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLE (Left Leg FFM (g))

```
                 Histogram                   #  Boxplot
  15750+*                                     1     *
       .*                                     1     *
       .*                                     1     0
       .*                                     4     0
       .*                                    19     0
       .**                                   28     0
       .***                                  57     0
       .*****                                87     |
       .*********                           170     |
       .*************                       260     |
       .********************                418     |
  10250+******************************      627  +-----+
       .****************************************  792  |     |
       .*************************************************  898  *--+--*
       .***************************************************  926  |     |
       .***********************************   736  +-----+
       .************************             494     |
       .**************                       270     |
       .******                               120     |
       .**                                    35     |
       .*                                      8     0
       .*                                      2     0
   4750+*                                      1     0
        ----+----+----+----+----+----+----+----+----+--
        * may represent up to 20 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLE (Left Leg FFM (g))

```
                      Normal Probability Plot
     15750+                                    *
          |                                    *
          |                                    *
          |                                    *
          |                                    *
          |                                   **
          |                                ****+
          |                              ****++
          |                            ****++
          |                           ***+
          |                         *****
     10250+                       ****
          |                     *****
          |                   *****
          |                  *****
          |                *****
          |              ******
          |            *****+
          | ******+
          |**++
          |*
          |*
      4750+*
          +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLM (Left Leg Mass (g))

Moments			
N	5955	Sum Weights	5955
Mean	12246.6883	Sum Observations	72929028.5
Std Deviation	2086.1947	Variance	4352208.31
Skewness	0.73006809	Kurtosis	1.03142863
Uncorrected SS	9.19052E11	Corrected SS	2.5913E10
Coeff Variation	17.0347661	Std Error Mean	27.0342269

Basic Statistical Measures			
Location		Variability	
Mean	12246.69	Std Deviation	2086
Median	12041.85	Variance	4352208
Mode	.	Range	16778
		Interquartile Range	2653

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	453.0068	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	23620.75
99%	18535.26
95%	15978.67
90%	14956.05
75% Q3	13441.58
50% Median	12041.85
25% Q1	10788.55
10%	9794.95
5%	9272.52
1%	8268.74
0% Min	6842.88

MROS Study: B1AUG16
Data Univariates

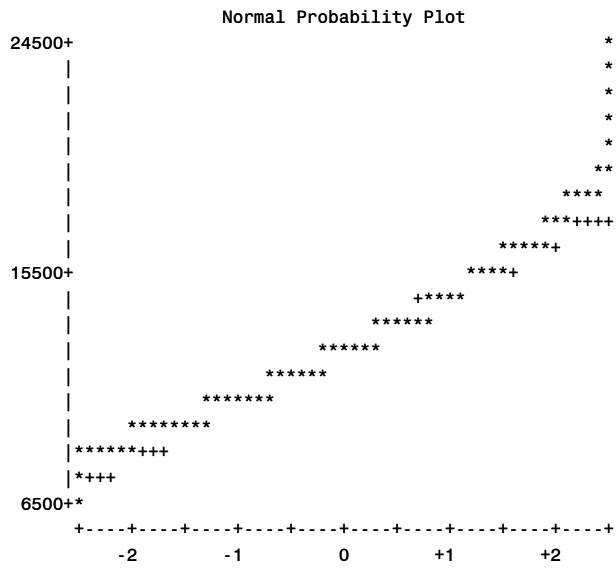The UNIVARIATE Procedure
Variable: B1LLM (Left Leg Mass (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
6842.88	SD8189	5170	21123.1	BI0415	411
7314.55	BI0124	122	21321.4	PI5247	3716
7351.26	PI5171	3640	21712.3	MN1519	988
7400.66	SD8747	5723	22312.4	BI0974	963
7491.48	PI4977	3446	23620.8	PI5113	3582

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                     Histogram              #  Boxplot
        23500+*                             1     *
             .*                             1     *
             .*                             4     0
             .*                            11     0
             .*                            24     0
             .**                           43     0
             .***                          67     0
             .******                      142     |
             .************                283     |
             .********************        512     |
             .****************************        792  +-----+
             .*********************************************  1144  *--+--*
             .***********************************************  1200  |     |
             .*************************************  990  +-----+
             .*********************         544     |
             .*******                      167     |
             .**                            29     |
         6500+*                             1     |
             ----+----+----+----+----+----+----+----+---
             * may represent up to 25 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLM (Left Leg Mass (g))

```
                          Normal Probability Plot
    23500+                                            *
         |                                            *
         |                                            *
         |                                            *
         |                                            *
         |                                         ****
         |                                       ***+++
         |                                     ****++
         |                                  *****
         |                               *****
         |                            +*****
         |                         +******
         |                      *******
         |                   *******
         |               *******+
         |*********++
         |*++++
     6500+*
         +----+----+----+----+----+----+----+----+----+----+
              -2        -1         0        +1        +2
```
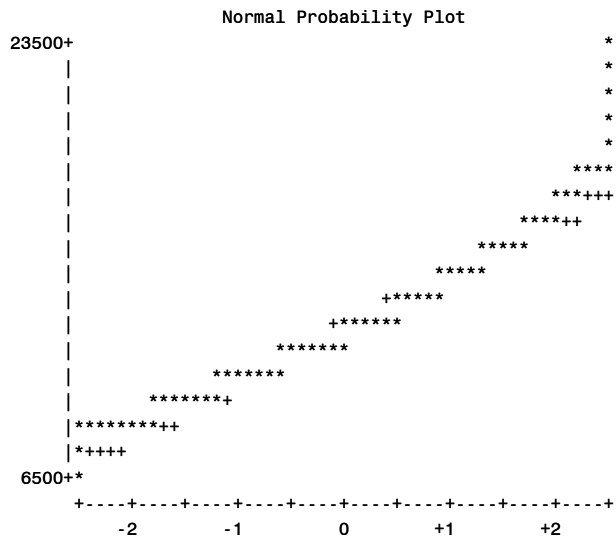
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLP (Left Leg   %Fat)

Moments			
N	5955	Sum Weights	5955
Mean	23.462535	Sum Observations	139719.396
Std Deviation	5.84480892	Variance	34.1617913
Skewness	0.30576348	Kurtosis	0.19121082
Uncorrected SS	3481570.53	Corrected SS	203399.305
Coeff Variation	24.9112422	Std Error Mean	0.07574072

Basic Statistical Measures			
Location		Variability	
Mean	23.46254	Std Deviation	5.84481
Median	23.19004	Variance	34.16179
Mode	.	Range	41.65573
		Interquartile Range	8.00010

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	309.7744	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	46.72617
99%	38.54388
95%	33.37364
90%	31.01507
75% Q3	27.32422
50% Median	23.19004
25% Q1	19.32412
10%	16.26334
5%	14.32285
1%	11.25342
0% Min	5.07045

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLP (Left Leg   %Fat)

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
5.07045	MN2458	1926	45.0386	MN2454	1922
5.56092	SD8163	5144	46.0524	BI0863	854
7.10074	MN2351	1819	46.1200	SD8577	5553
7.13980	PO7130	4596	46.1565	MN1686	1155
7.27382	PA3747	2718	46.7262	MN2004	1472

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                Histogram                    #  Boxplot
     47+*                                     4    0
       .*                                     8    0
       .*                                     8    0
       .*                                    14    0
       .**                                   33    0
       .****                                 71    |
       .*******                             113    |
     33+***********                         184    |
       .*******************                 353    |
       .**************************          500    |
       .*********************************** 614  +-----+
       .*************************************** 730 |    |
       .****************************************** 831 *--+--*
       .***************************************  767  |    |
     19+************************************     689  +-----+
       .***************************             494    |
       .****************                        277    |
       .**********                              171    |
       .****                                     67    |
       .**                                       19    |
       .*                                         6    0
      5+*                                         2    0
        ----+----+----+----+----+----+----+----+--
        * may represent up to 18 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLP (Left Leg   %Fat)

```
                    Normal Probability Plot
   47+                                        *
     |                                        *
     |                                        *
     |                                        *
     |                                      ***
     |                                   ****+
     |                                 ****+
   33+                              ***+
     |                            *****
     |                          ****
     |                        ****
     |                      *****
     |                    ****
     |                  *****
   19+                *****
     |              ****
     |            *****
     |          *****
     |****++
     |*+
     |*
    5+*
      +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLF (Right Leg Fat (g))

Moments			
N	5955	Sum Weights	5955
Mean	3045.22321	Sum Observations	18134304.2
Std Deviation	1161.63796	Variance	1349402.75
Skewness	1.05142801	Kurtosis	2.14727999
Uncorrected SS	6.32573E10	Corrected SS	8034343967
Coeff Variation	38.1462337	Std Error Mean	15.0532375

Basic Statistical Measures			
Location		Variability	
Mean	3045.223	Std Deviation	1162
Median	2873.313	Variance	1349403
Mode	.	Range	10153
		Interquartile Range	1427

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	202.2969	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	10692.770
99%	6591.747
95%	5187.573
90%	4603.678
75% Q3	3654.384
50% Median	2873.313
25% Q1	2226.935
10%	1735.234
5%	1486.903
1%	1107.207
0% Min	539.894

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLF (Right Leg Fat (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
539.894	MN2458	1926	9039.99	MN1519	988
548.711	SD8163	5144	9406.59	BI0258	254
570.599	PO7130	4596	9626.48	PI5082	3551
626.121	SD8490	5466	10322.26	PI5113	3582
735.611	PA3092	2065	10692.77	MN2454	1922

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram               #  Boxplot
   10750+*                                   1     *
       .*                                    1     *
    9750+*                                   1     *
       .*                                    2     *
    8750+*                                   4     *
       .*                                    6     *
    7750+*                                   6     0
       .*                                   14     0
    6750+**                                 30     0
       .**                                  46     0
    5750+*****                              94     0
       .********                           169     |
    4750+************                      275     |
       .****************                   385     |
    3750+******************************    713  +-----+
       .***********************************************  994  |  +  |
    2750+*****************************************************  1087  *-----*
       .****************************************************  1092  +-----+
    1750+******************************    724     |
       .************                      276     |
     750+**                                35     |
        ----+----+----+----+----+----+----+----+----+---
        * may represent up to 23 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLF (Right Leg Fat (g))

```
                      Normal Probability Plot
 10750+                                      *
      |                                      *
  9750+                                      *
      |                                      *
  8750+                                      *
      |                                      *
  7750+                                      *
      |                                      *
  6750+                                    ***
      |                                   ***
  5750+                                ****++++
      |                              ****+++
  4750+                          ****+
      |                        ****
  3750+                     +*****
      |                   +*****
  2750+                 ******
      |               ******
  1750+           ********
      |*********++
   750+*    ++++
      +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```
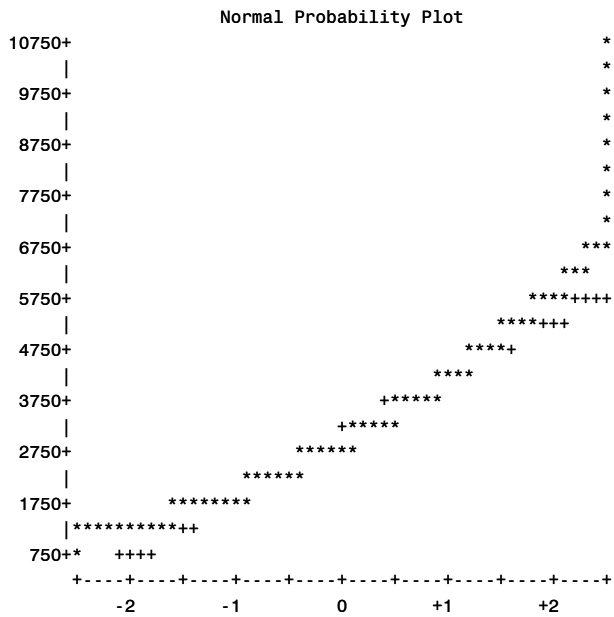
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLE (Right Leg FFM (g))

Moments			
N	5955	Sum Weights	5955
Mean	9516.30632	Sum Observations	56669604.1
Std Deviation	1346.58242	Variance	1813284.21
Skewness	0.42069429	Kurtosis	0.46053601
Uncorrected SS	5.50082E11	Corrected SS	1.07963E10
Coeff Variation	14.1502635	Std Error Mean	17.4498644

Basic Statistical Measures			
Location		Variability	
Mean	9516.306	Std Deviation	1347
Median	9421.265	Variance	1813284
Mode	.	Range	12643
		Interquartile Range	1742

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	545.3513	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	16610.20
99%	13161.12
95%	11900.39
90%	11284.46
75% Q3	10334.10
50% Median	9421.27
25% Q1	8591.95
10%	7870.32
5%	7477.68
1%	6774.01
0% Min	3966.77

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLE (Right Leg FFM (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
3966.77	PO6772	4241	14624.5	MN2022	1490
4934.25	MN1664	1133	14654.4	PI5364	3833
5299.08	BI0118	116	14905.6	BI0230	227
5623.37	SD8189	5170	15407.3	BI0974	963
5926.72	BI0820	811	16610.2	PI4932	3401

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
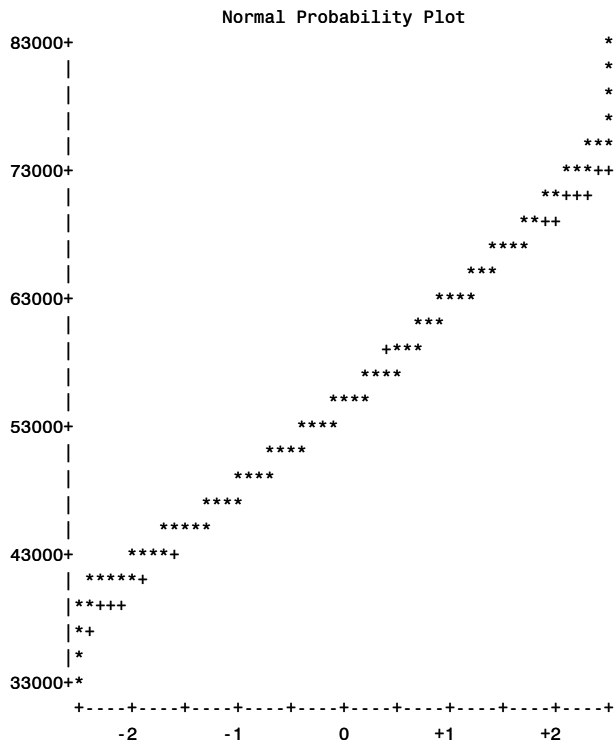Data Univariates

The UNIVARIATE Procedure
Variable: B1RLE (Right Leg FFM (g))

```
                   Histogram                       #  Boxplot
    16750+*                                         1     *
         .
         .
         .*                                         1     0
         .*                                         5     0
         .*                                         4     0
         .**                                       25     0
         .***                                      41     0
         .***                                      52     0
         .*******                                 123     |
         .************                            224     |
         .***************                         314     |
         .***********************                 497     |
    10250+*********************************       679  +-----+
         .*********************************...    862  |  +  |
         .*************************************   934  *-----*
         .*****************************....       837  +-----+
         .******************************          631     |
         .********************            416     |
         .**********                               198     |
         .*****                                     81     |
         .**                                        25     |
         .*                                          2     0
         .*                                          1     0
         .*                                          1     0
         .
     3750+*                                          1     0
         ----+----+----+----+----+----+----+----+--
         * may represent up to 20 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLE (Right Leg FFM (g))

```
                      Normal Probability Plot
  16750+                                      *
       |
       |
       |                                    *
       |                                    *
       |                                    *
       |                                    *
       |                                 ****
       |                               ***+++
       |                              ****++
       |                            ****+
       |                          ****
       |                        ****
  10250+                      *****
       |                   +****
       |                 *****
       |               *****
       |             ******
       |           *****
       |        ******+
       |*****++
       |*++
       |*
       |*
       |*
       |
   3750+*
       +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLM (Right Leg Mass (g))

Moments			
N	5955	Sum Weights	5955
Mean	12561.5295	Sum Observations	74803908.3
Std Deviation	2130.29231	Variance	4538145.33
Skewness	0.71003186	Kurtosis	1.08724557
Uncorrected SS	9.66672E11	Corrected SS	2.70201E10
Coeff Variation	16.9588608	Std Error Mean	27.6056716

Basic Statistical Measures			
Location		Variability	
Mean	12561.53	Std Deviation	2130
Median	12352.08	Variance	4538145
Mode	.	Range	17709
		Interquartile Range	2721

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	455.0344	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	24301.44
99%	18808.06
95%	16289.68
90%	15337.87
75% Q3	13800.13
50% Median	12352.08
25% Q1	11079.48
10%	10036.68
5%	9502.00
1%	8459.08
0% Min	6592.16

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLM (Right Leg Mass (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
6592.16	PO6772	4241	22123.3	PI4932	3401
7274.57	SD8189	5170	22844.6	BI0974	963
7382.21	PI5473	3942	23416.0	MN2454	1922
7390.22	PI5171	3640	23638.6	MN1519	988
7425.46	BI0118	116	24301.4	PI5113	3582

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                  Histogram                          #  Boxplot
     24500+*                                          1    *
          .*                                          2    *
          .*                                          2    *
          .*                                          6    0
          .*                                          8    0
          .**                                        36    0
          .**                                        48    0
          .****                                      79    0
          .********                                 184    |
     15500+****************                         379    |
          .***********************                  599    |
          .***********************************      883  +-----+
          .**************************************** 1149 *--+--*
          .**************************************** 1171 +-----+
          .*********************************        834    |
          .******************                       435    |
          .*****                                    117    |
          .*                                         21    |
      6500+*                                          1    0
          ----+----+----+----+----+----+----+----+--
          * may represent up to 25 counts
```
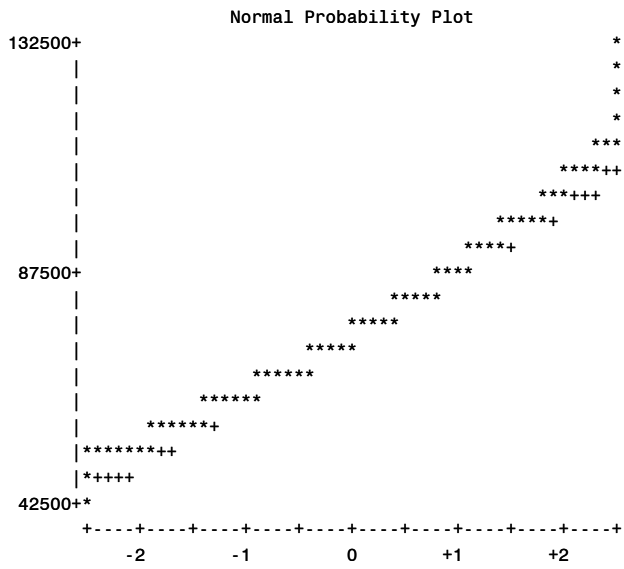
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLM (Right Leg Mass (g))

```
                            Normal Probability Plot
      24500+                                         *
           |                                         *
           |                                         *
           |                                         *
           |                                         *
           |                                        **
           |                                     ****
           |                                  ***++++
           |                              *****+
      15500+                           ****+
           |                        +****
           |                      ******
           |                   ******
           |                 ******
           |              *******
           |         ********
           |******+++
           |*+++
       6500+*
           +----+----+----+----+----+----+----+----+----+----+
              -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLP (Right Leg   %Fat)

Moments			
N	5955	Sum Weights	5955
Mean	23.6981676	Sum Observations	141122.588
Std Deviation	6.00798316	Variance	36.0958617
Skewness	0.2704276	Kurtosis	0.13432666
Uncorrected SS	3559261.5	Corrected SS	214914.76
Coeff Variation	25.3521001	Std Error Mean	0.07785524

Basic Statistical Measures			
Location		Variability	
Mean	23.69817	Std Deviation	6.00798
Median	23.50877	Variance	36.09586
Mode	.	Range	45.15073
		Interquartile Range	8.06934

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	304.3876	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	50.16158
99%	38.69556
95%	33.81893
90%	31.57024
75% Q3	27.56181
50% Median	23.50877
25% Q1	19.49247
10%	16.16295
5%	14.14912
1%	10.94454
0% Min	5.01085

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLP (Right Leg   %Fat)

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
5.01085	MN2458	1926	45.6644	MN2454	1922
5.96565	SD8163	5144	46.2401	BI0258	254
6.41231	PO7130	4596	46.2846	BI0017	17
6.66146	PO6806	4275	47.1416	BI0863	854
6.95733	PA3747	2718	50.1616	MN2004	1472

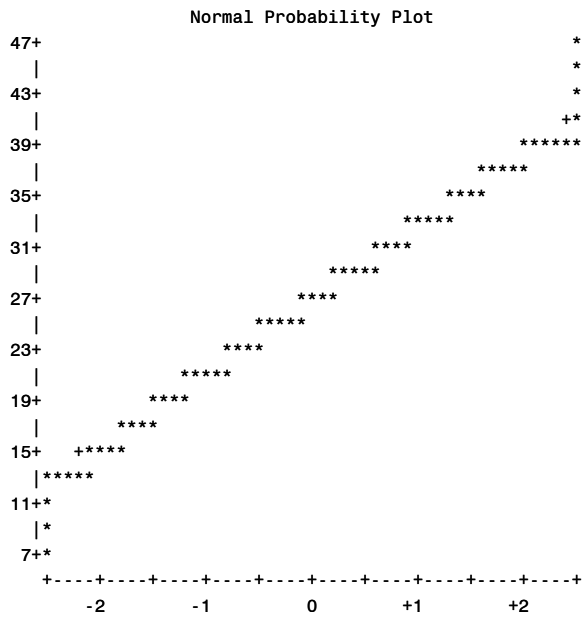| Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLP (Right Leg %Fat)

```
                   Histogram                       #  Boxplot
       51+*                                         1     O
          .
          .*                                         3     O
          .*                                         8     O
          .*                                        14     O
          .*                                        10     O
          .***                                      45     O
          .*****                                    74     |
          .********                                128     |
          .***************                         250     |
          .*******************                     333     |
          .***************************             494     |
          .****************************************653  +-----+
          .***********************************************746  |     |
          .************************************************792  *--+--*
          .***********************************************743  |     |
          .************************************************624  +-----+
          .****************************                    480     |
          .*****************                               273     |
          .***********                                     181     |
          .*****                                            73     |
          .**                                               23     |
          .*                                                 5     O
        5+*                                                  2     O
          ----+----+----+----+----+----+----+----+----+--
          * may represent up to 17 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLP (Right Leg %Fat)

```
                   Normal Probability Plot
   51+                                     *
     |
     |                                       *
     |                                       *
     |                                       *
     |                                       *
     |                                   ****
     |                                ****+
     |                             ***+
     |                           *****
     |                         ***
     |                       *****
     |                     ****
     |                   ****
     |                 ****
     |               *****
     |             ****
     |           *****
     |         *****
     |       *****
     |*****+
     |*++
     |*
    5+*
      +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBF (Sub Total Fat (g))

Moments			
N	5955	Sum Weights	5955
Mean	20723.1981	Sum Observations	123406645
Std Deviation	7031.91063	Variance	49447767.1
Skewness	0.72989877	Kurtosis	0.98664346
Uncorrected SS	2.85179E12	Corrected SS	2.94412E11
Coeff Variation	33.9325552	Std Error Mean	91.1239337

Basic Statistical Measures			
Location		Variability	
Mean	20723.20	Std Deviation	7032
Median	19893.33	Variance	49447767
Mode	.	Range	56791
		Interquartile Range	8893

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	227.4177	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	60214.65
99%	40799.87
95%	33604.32
90%	29832.94
75% Q3	24749.93
50% Median	19893.33
25% Q1	15856.45
10%	12583.15
5%	10656.68
1%	7360.22
0% Min	3423.85

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBF (Sub Total Fat (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
3423.85	SD8163	5144	50309.6	MN1519	988
3524.52	PO7130	4596	50960.5	BI0655	647
3761.71	MN2458	1926	55543.1	PI5082	3551
4109.90	SD8490	5466	55926.2	BI0753	745
4301.02	BI0744	736	60214.7	MN2454	1922

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
              Histogram              #  Boxplot
  62500+*                            1     *
      .*                             2     *
      .*                             2     0
      .*                            18     0
      .**                           45     0
      .*****                       159     0
  32500+*********                   352     |
      .*********************        849     |
      .************************************  1502  +--+--+
      .*************************************** 1805  *-----*
      .*************************      997     |
      .******                        215     |
   2500+*                              8     |
      ----+----+----+----+----+----+----+----+----+---
       * may represent up to 38 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBF (Sub Total Fat (g))

```
                       Normal Probability Plot
 62500+                                         *
      |                                         *
      |                                         *
      |                                         *
      |                                       ***
      |                                 ******++
 32500+                              ******++
      |                          *******
      |                     +********
      |                 *********
      |            ***********
      |********++
 2500+*+++
      +----+----+----+----+----+----+----+----+----+----+
         -2        -1         0        +1        +2
```
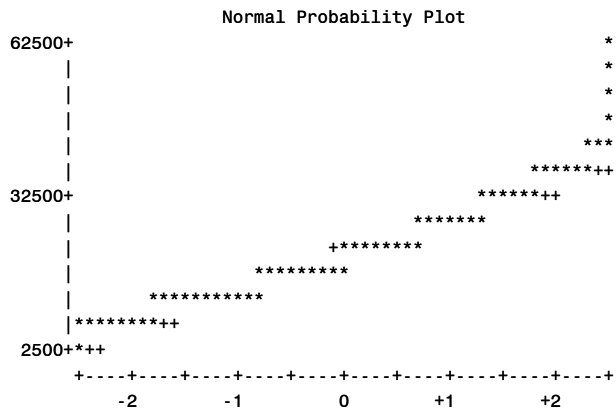
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBE (Sub Total FFM (g))

Moments			
N	5955	Sum Weights	5955
Mean	55199.0395	Sum Observations	328710280
Std Deviation	7283.5778	Variance	53050505.6
Skewness	0.38469751	Kurtosis	0.173875
Uncorrected SS	1.84604E13	Corrected SS	3.15863E11
Coeff Variation	13.1951169	Std Error Mean	94.3851957

Basic Statistical Measures			
Location		Variability	
Mean	55199.04	Std Deviation	7284
Median	54677.52	Variance	53050506
Mode	.	Range	51406
		Interquartile Range	9660

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	584.8273	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	83614.9
99%	74579.6
95%	67893.8
90%	64819.1
75% Q3	59714.3
50% Median	54677.5
25% Q1	50054.7
10%	46372.5
5%	44047.4
1%	40341.3
0% Min	32208.8

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBE (Sub Total FFM (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
32208.8	SD8656	5632	81147.6	PI5026	3495
33831.8	BI0118	116	81785.2	SD8156	5137
34192.5	SD8189	5170	82000.0	MN2298	1766
34951.1	SD8747	5723	83399.3	PA3908	2878
35689.6	PI5171	3640	83614.9	MN2014	1482

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBE (Sub Total FFM (g))

```
                     Normal Probability Plot
    83000+                                       *
         |                                       *
         |                                       *
         |                                       *
         |                                    ***
    73000+                                  ***++
         |                                 **+++
         |                              **++
         |                            ****
         |                          ***
    63000+                        ****
         |                      ***
         |                    +***
         |                   ****
         |                 ****
    53000+               ****
         |             ****
         |           ****
         |         ****
         |       *****
    43000+     ****+
         |  *****+
         |**+++
         |*+
         |*
    33000+*
         +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBM (Sub Total Mass (g))

Moments			
N	5955	Sum Weights	5955
Mean	75922.2376	Sum Observations	452116925
Std Deviation	12492.3359	Variance	156058455
Skewness	0.58672252	Kurtosis	0.52510854
Uncorrected SS	3.52549E13	Corrected SS	9.29172E11
Coeff Variation	16.4541197	Std Error Mean	161.883568

Basic Statistical Measures			
Location		Variability	
Mean	75922.24	Std Deviation	12492
Median	74734.47	Variance	156058455
Mode	.	Range	88153
		Interquartile Range	16348

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	468.9929	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	130308.1
99%	111026.8
95%	98065.7
90%	92382.7
75% Q3	83405.7
50% Median	74734.5
25% Q1	67057.5
10%	61267.0
5%	57671.3
1%	51657.1
0% Min	42154.7

MROS Study: B1AUG16
Data Univariates
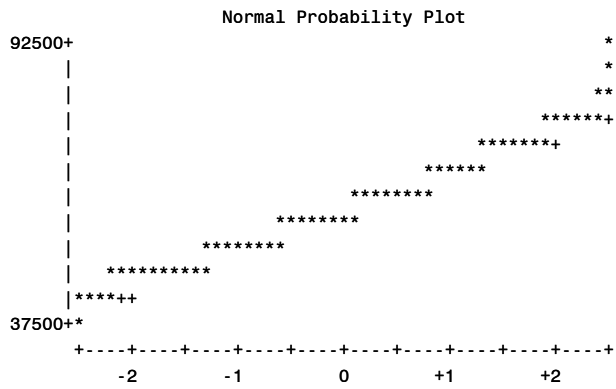
The UNIVARIATE Procedure
Variable: B1SBM (Sub Total Mass (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
42154.7	SD8656	5632	123313	PI5247	3716
43545.3	PI5171	3640	123654	BI0974	963
44785.8	BI0118	116	125314	PI4755	3224
45389.6	SD8189	5170	125533	MN1519	988
45405.6	MN2073	1541	130308	MN2454	1922

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                  Histogram                      #  Boxplot
 132500+*                                         1     0
       .*                                         2     0
       .*                                        10     0
       .*                                        21     0
       .**                                       38     0
       .****                                     67     0
       .*****                                    98     |
       .*********                               204     |
       .****************                        344     |
  87500+************************                513     |
       .*****************************          690  +-----+
       .*********************************************  930  |  +  |
       .**********************************************  994  *-----*
       .*******************************************  922  +-----+
       .****************************            647     |
       .***************                         312     |
       .*******                                 128     |
       .**                                       31     |
  42500+*                                         3     0
       ----+----+----+----+----+----+----+----+---
       * may represent up to 21 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBM (Sub Total Mass (g))

```
                     Normal Probability Plot
   132500+                                      *
        |                                       *
        |                                       *
        |                                       *
        |                                     ***
        |                                  ****++
        |                                 ***+++
        |                             *****+
        |                           ****+
    87500+                        ****
        |                      *****
        |                    *****
        |                  *****
        |                ******
        |             ******
        |          ******+
        |*******++
        |*++++
    42500+*
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBP (Sub Total %Fat)

Moments			
N	5955	Sum Weights	5955
Mean	26.7386049	Sum Observations	159228.392
Std Deviation	5.69592735	Variance	32.4435884
Skewness	-0.0913156	Kurtosis	0.04255861
Uncorrected SS	4450714.2	Corrected SS	193169.125
Coeff Variation	21.3022608	Std Error Mean	0.07381142

Basic Statistical Measures			
Location		Variability	
Mean	26.73860	Std Deviation	5.69593
Median	26.79496	Variance	32.44359
Mode	.	Range	41.27993
		Interquartile Range	7.66425

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	362.2557	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	47.6129
99%	39.5989
95%	36.0408
90%	33.9316
75% Q3	30.6147
50% Median	26.7950
25% Q1	22.9504
10%	19.4701
5%	17.1597
1%	12.9307
0% Min	6.3330

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBP (Sub Total %Fat)

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
6.33300	SD8163	5144	45.7815	SD8577	5553
6.68453	MN2458	1926	45.8260	PA3080	2054
6.81722	PO7130	4596	46.0789	BI0655	647
7.32145	PO6806	4275	46.2095	MN2454	1922
7.69009	BI0744	736	47.6129	BI0753	745

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram                      #  Boxplot
    47+*                                            3    0
      .*                                            5    0
    43+*                                            8    0
      .**                                          25    |
    39+******                                      89    |
      .**********                                 173    |
    35+*****************                          281    |
      .*************************                  459    |
    31+***************************************    671  +-----+
      .**************************************************  794  |     |
    27+*************************************************  792  *--+--*
      .**************************************************** 805  |     |
    23+****************************************   663  +-----+
      .***************************             498    |
    19+*****************                       298    |
      .************                            197    |
    15+******                                   95    |
      .****                                     60    |
    11+**                                       26    0
      .*                                         7    0
     7+*                                         6    0
      ----+----+----+----+----+----+----+----+---
       * may represent up to 17 counts
```
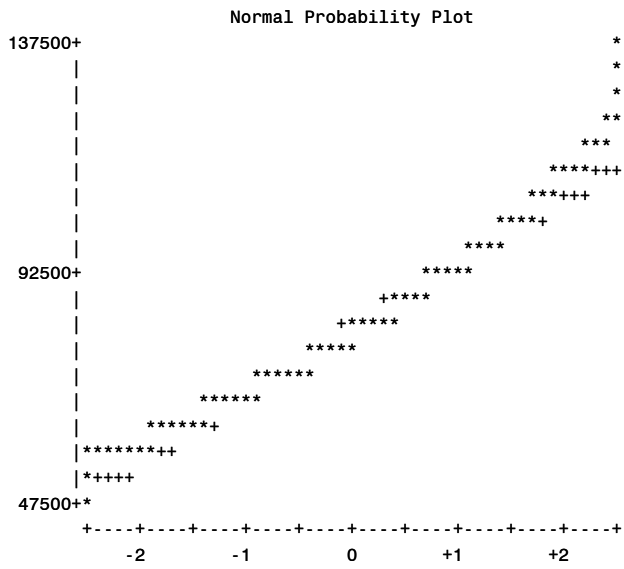
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBP (Sub Total %Fat)

```
                    Normal Probability Plot
    47+                                     *
      |                                     *
    43+                                     *
      |                                    +*
    39+                                  ******
      |                                *****
    35+                              ****
      |                           *****
    31+                         ****
      |                       *****
    27+                    ****
      |                  *****
    23+                ****
      |             *****
    19+          ****
      |        ****
    15+    +****
      |*****
    11+*
      |*
     7+*
       +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBF (Total Fat (g))

Moments			
N	5955	Sum Weights	5955
Mean	21746.8372	Sum Observations	129502415
Std Deviation	7098.20015	Variance	50384445.3
Skewness	0.72917838	Kurtosis	0.97735749
Uncorrected SS	3.11626E12	Corrected SS	2.99989E11
Coeff Variation	32.6401494	Std Error Mean	91.9829551

Basic Statistical Measures			
Location		Variability	
Mean	21746.84	Std Deviation	7098
Median	20899.51	Variance	50384445
Mode	.	Range	57285
		Interquartile Range	9003

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	236.4225	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	61604.97
99%	41901.91
95%	34719.08
90%	31001.65
75% Q3	25821.92
50% Median	20899.51
25% Q1	16818.99
10%	13522.12
5%	11606.00
1%	8232.25
0% Min	4319.62

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBF (Total Fat (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
4319.62	SD8163	5144	51397.5	MN1519	988
4385.97	PO7130	4596	52029.9	BI0655	647
4621.41	MN2458	1926	56870.9	PI5082	3551
4937.49	SD8490	5466	57041.8	BI0753	745
5281.14	BI0744	736	61605.0	MN2454	1922

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                   Histogram              #  Boxplot
     62500+*                              1     *
         .*                               2     *
         .*                               7     0
         .*                              21     0
         .**                             69     0
         .******                        186     0
     32500+************                  428     |
         .**************************     975  +-----+
         .********************************************  1603  *--+--*
         .************************************************  1718  +-----+
         .*********************          798     |
         .****                          143     |
      2500+*                              4     |
          ----+----+----+----+----+----+----+----+----+---
          * may represent up to 36 counts
```
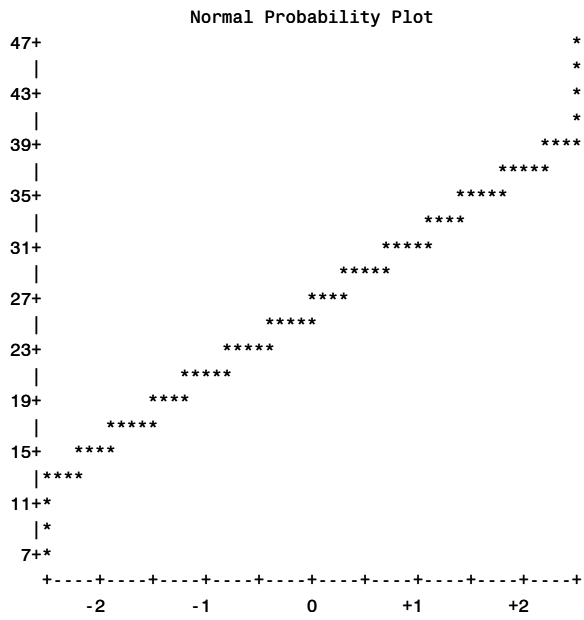
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBF (Total Fat (g))

```
                           Normal Probability Plot
    62500+                                              *
         |                                              *
         |                                              *
         |                                              *
         |                                          *****
         |                                      *****++++
    32500+                                *******+
         |                           +*******
         |                      +********
         |                ********** 
         |          ***********
         |******+++
    2500+*+
         +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```
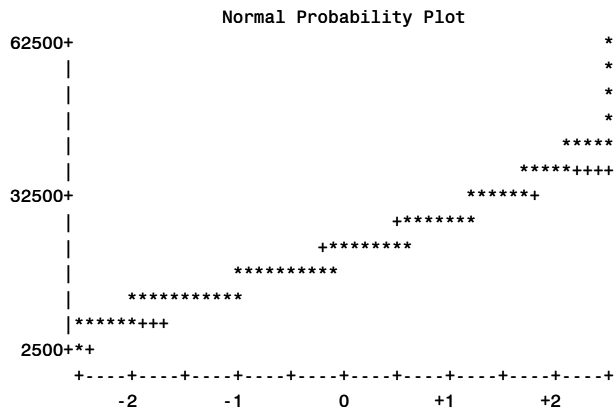
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBE (Total FFM (g))

Moments			
N	5955	Sum Weights	5955
Mean	59593.7945	Sum Observations	354881046
Std Deviation	7535.5014	Variance	56783781.3
Skewness	0.38570213	Kurtosis	0.17737114
Uncorrected SS	2.14868E13	Corrected SS	3.38091E11
Coeff Variation	12.6447753	Std Error Mean	97.6497806

Basic Statistical Measures			
Location		Variability	
Mean	59593.79	Std Deviation	7536
Median	59039.61	Variance	56783781
Mode	.	Range	54316
		Interquartile Range	9985

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	610.2809	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	90319.0
99%	79403.7
95%	72771.3
90%	69532.8
75% Q3	64290.8
50% Median	59039.6
25% Q1	54305.5
10%	50425.6
5%	47991.6
1%	44163.7
0% Min	36003.0

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBE (Total FFM (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
36003.0	SD8656	5632	86827.0	BI0230	227
37514.7	BI0118	116	86987.4	MN2298	1766
38283.8	SD8189	5170	87380.5	SD8156	5137
38712.4	SD8747	5723	89426.8	PA3908	2878
39463.0	PO7457	4922	90319.0	MN2014	1482

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram              #  Boxplot
     92500+*                                1     0
          .*                                9     0
          .**                              39     0
          .*****                          140     0
          .**********                     356     |
          .**********************         788     |
          .****************************************  1355  +-----+
          .*************************************************  1570  *--+--*
          .*********************************  1168  +-----+
          .**************                  445     |
          .***                             78     |
     37500+*                                6     0
          ----+----+----+----+----+----+----+----+----+---
           * may represent up to 33 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBE (Total FFM (g))

```
                    Normal Probability Plot
   92500+                                       *
        |                                       *
        |                                      **
        |                                ******+
        |                            *******+
        |                        ******
        |                    ********
        |                ********
        |            ********
        |      **********
        |****++
   37500+*
        +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBM (Total Mass (g))

Moments			
N	5955	Sum Weights	5955
Mean	81340.6316	Sum Observations	484383461
Std Deviation	12817.0065	Variance	164275655
Skewness	0.58115233	Kurtosis	0.51063294
Uncorrected SS	4.03782E13	Corrected SS	9.78097E11
Coeff Variation	15.7572006	Std Error Mean	166.090855

Basic Statistical Measures			
Location		Variability	
Mean	81340.63	Std Deviation	12817
Median	80128.41	Variance	164275655
Mode	.	Range	90274
		Interquartile Range	16842

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	489.7358	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	137075.9
99%	117342.0
95%	104006.6
90%	98264.5
75% Q3	89003.7
50% Median	80128.4
25% Q1	72161.7
10%	66184.1
5%	62684.0
1%	56431.4
0% Min	46802.4

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBM (Total Mass (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
46802.4	SD8656	5632	130235	PI5247	3716
48710.8	PI5171	3640	130273	SD8156	5137
49283.0	BI0118	116	130801	MN1519	988
50205.7	PO6799	4268	133108	PI4755	3224
50379.3	MN2073	1541	137076	MN2454	1922

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                       Histogram                         #  Boxplot
       137500+*                                          1     0
             .*                                          4     0
             .*                                         16     0
             .**                                        22     0
             .***                                       48     0
             .****                                      69     0
             .*****                                    105     |
             .**********                               225     |
             .****************                         353     |
        92500+*************************                545     |
             .********************************         697  +-----+
             .********************************************  917  *--+--*
             .**********************************************  965  |     |
             .****************************************       872  +-----+
             .******************************              655     |
             .**************                             289     |
             .*******                                    135     |
             .**                                          34     |
        47500+*                                            3     0
             ----+----+----+----+----+----+----+----+-
             * may represent up to 21 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBM (Total Mass (g))

```
                    Normal Probability Plot
  137500+                                       *
        |                                       *
        |                                       *
        |                                      **
        |                                    ***
        |                                 ****+++
        |                               ***+++
        |                            ****+
        |                          ****
   92500+                       *****
        |                    +****
        |                  +*****
        |                *****
        |              ******
        |           ******
        |        ******+
        |*******++
        |*++++
   47500+*
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBP (Total %Fat)

Moments			
N	5955	Sum Weights	5955
Mean	26.2307584	Sum Observations	156204.166
Std Deviation	5.36796772	Variance	28.8150774
Skewness	-0.0594025	Kurtosis	0.03910247
Uncorrected SS	4268918.71	Corrected SS	171564.971
Coeff Variation	20.4644015	Std Error Mean	0.06956151

Basic Statistical Measures			
Location		Variability	
Mean	26.23076	Std Deviation	5.36797
Median	26.26882	Variance	28.81508
Mode	.	Range	39.04992
		Interquartile Range	7.22195

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	377.0872	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	46.33186
99%	38.47600
95%	35.03915
90%	33.02524
75% Q3	29.87664
50% Median	26.26882
25% Q1	22.65469
10%	19.39667
5%	17.26013
1%	13.34594
0% Min	7.28194

MROS Study: B1AUG16
Data Univariates
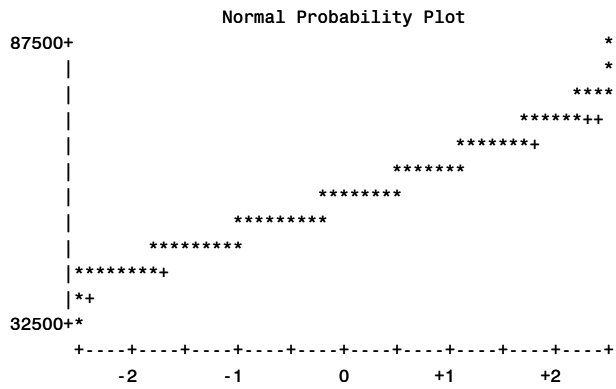
The UNIVARIATE Procedure
Variable: B1TBP (Total %Fat)

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
7.28194	SD8163	5144	44.2756	SD8577	5553
7.58181	MN2458	1926	44.5913	PA3080	2054
7.77221	PO7130	4596	44.8450	BI0655	647
8.09672	PO6806	4275	44.9422	MN2454	1922
8.60528	BI0744	736	46.3319	BI0753	745

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram              #  Boxplot
      47+*                                 1     0
        .*                                 4     0
      43+*                                 5     0
        .*                                12     0
      39+***                               54     |
        .*******                          123     |
      35+*************                     246     |
        .*******************              392     |
      31+******************************    595     |
        .*********************************************  814  +-----+
      27+**********************************************  841  *--+--*
        .***********************************************  872  |    |
      23+****************************************  730  +-----+
        .****************************        553     |
      19+******************            329     |
        .***********                   199     |
      15+******                         99     |
        .****                           58     |
      11+*                              19     0
        .*                               6     0
       7+*                               3     0
        ----+----+----+----+----+----+----+----+-
        * may represent up to 19 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBP (Total %Fat)

```
                 Normal Probability Plot
  47+                                        *
    |                                        *
  43+                                        *
    |                                        *
  39+                                   ****
    |                                 *****
  35+                             *****
    |                           ****
  31+                       *****
    |                     *****
  27+                   ****
    |                 *****
  23+               *****
    |             *****
  19+           ****
    |         *****
  15+     ****
    |****
  11+*
    |*
   7+*
     +----+----+----+----+----+----+----+----+----+----+
        -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKC (Trunk BMC (g))

Moments			
N	5955	Sum Weights	5955
Mean	689.318599	Sum Observations	4104892.26
Std Deviation	143.574531	Variance	20613.6459
Skewness	0.62478856	Kurtosis	1.07505013
Uncorrected SS	2952312230	Corrected SS	122733648
Coeff Variation	20.8284719	Std Error Mean	1.86052934

Basic Statistical Measures			
Location		Variability	
Mean	689.3186	Std Deviation	143.57453
Median	675.6577	Variance	20614
Mode	.	Range	1301
		Interquartile Range	185.99226

Tests for Location: Mu0=0					
Test		Statistic		p Value	
Student's t	t	370.496	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1562.082
99%	1082.762
95%	938.884
90%	875.910
75% Q3	776.395
50% Median	675.658
25% Q1	590.403
10%	517.691
5%	478.638
1%	408.407
0% Min	261.556

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKC (Trunk BMC (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
261.556	PO6873	4342	1322.34	MN1847	1315
305.661	PO6818	4287	1355.73	MN1608	1077
311.785	MN1812	1280	1416.79	PO6848	4317
316.052	BI0724	716	1461.46	SD8486	5462
317.646	PA3225	2198	1562.08	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                     Histogram              #  Boxplot
    1550+*                                   1     *
        .*                                   2     *
        .*                                   2     0
        .*                                  17     0
        .*                                  29     0
        .***                               105     0
        .*********                         315     |
        .*******************               717     |
        .***********************************      1389  +-----+
        .*************************************************  1741  *--+--*
        .******************************    1193  +-----+
        .***********                       400     |
        .**                                43     0
     250+*                                  1     0
        ----+----+----+----+----+----+----+----+----+---
        * may represent up to 37 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKC (Trunk BMC (g))

```
                     Normal Probability Plot
    1550+                                        *
        |                                        *
        |                                        *
        |                                        *
        |                                       **
        |                                 ******+
        |                             ******++
        |                          *******
        |                    +*******
        |                 *********
        |           *********
        |  ***********
        | **+++
     250+*
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
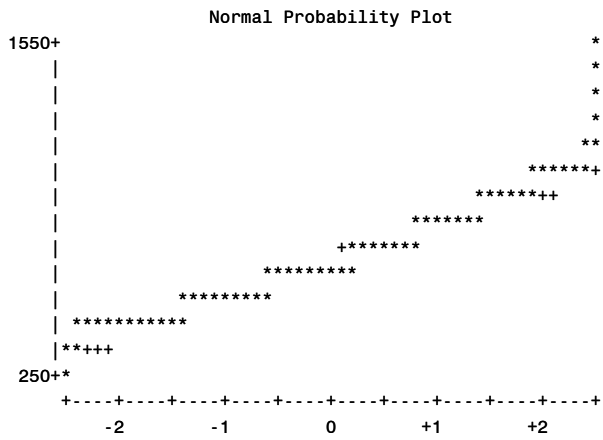
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBL (Total Lean (g))

Moments			
N	5955	Sum Weights	5955
Mean	56897.0911	Sum Observations	338822178
Std Deviation	7245.75432	Variance	52500955.7
Skewness	0.40042319	Kurtosis	0.21174852
Uncorrected SS	1.95906E13	Corrected SS	3.12591E11
Coeff Variation	12.7348414	Std Error Mean	93.8950552

Basic Statistical Measures			
Location		Variability	
Mean	56897.09	Std Deviation	7246
Median	56390.14	Variance	52500956
Mode	.	Range	52202
		Interquartile Range	9624

Tests for Location: Mu0=0					
Test		Statistic		p Value	
Student's t	t	605.9647	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	86517.9
99%	76172.1
95%	69592.7
90%	66461.9
75% Q3	61422.3
50% Median	56390.1
25% Q1	51798.7
10%	48067.1
5%	45788.0
1%	42208.0
0% Min	34315.8

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBL (Total Lean (g))

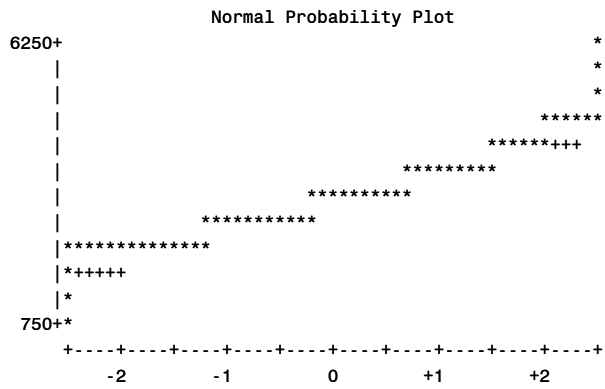| Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
34315.8	SD8656	5632	83137.1	PI5026	3495
35418.3	BI0118	116	83522.6	MN2298	1766
36611.6	SD8189	5170	83692.3	SD8156	5137
36801.8	SD8747	5723	86056.3	PA3908	2878
37552.3	PO7457	4922	86517.9	MN2014	1482

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
             Histogram                    #  Boxplot
  87500+*                                  2    0
       .*                                 14    0
       .**                                68    0
       .******                           188    |
       .***************                  530    |
       .*****************************   1054  +-----+
       .************************************************  1598  *--+--*
       .*******************************************   1483  +-----+
       .***********************          801    |
       .******                          199    |
       .*                                17    0
  32500+*                                 1    0
        ----+----+----+----+----+----+----+----+----+--
        * may represent up to 34 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBL (Total Lean (g))

```
                       Normal Probability Plot
   87500+                                        *
        |                                        *
        |                                     ****
        |                                 ******++
        |                            *******+
        |                        *******
        |                    ********
        |                 *********
        |             *********
        |*********+
        |*+
   32500+*
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDL (Head Lean (g))

Moments			
N	5955	Sum Weights	5955
Mean	3856.96472	Sum Observations	22968224.9
Std Deviation	409.489912	Variance	167681.988
Skewness	0.81697958	Kurtosis	2.07688324
Uncorrected SS	8.9586E10	Corrected SS	998378557
Coeff Variation	10.6168955	Std Error Mean	5.30642859

Basic Statistical Measures			
Location		Variability	
Mean	3856.965	Std Deviation	409.48991
Median	3816.711	Variance	167682
Mode	.	Range	4703
		Interquartile Range	515.43456

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	726.8476	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	7294.25
99%	5045.68
95%	4587.29
90%	4368.15
75% Q3	4092.63
50% Median	3816.71
25% Q1	3577.19
10%	3377.06
5%	3267.79
1%	3059.50
0% Min	2591.17

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDL (Head Lean (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
2591.17	PO6507	3980	5996.57	MN2045	1513
2704.35	MN1978	1446	6024.23	MN2014	1482
2723.09	PI5008	3477	6078.33	MN2240	1708
2816.75	PA3496	2467	6084.65	PO6764	4233
2863.61	PA3395	2366	7294.25	MN2096	1564

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDL (Head Lean (g))

```
                    Histogram              #  Boxplot
    7300+*                                  1     *
        .
        .
        .
        .
        .
        .*                                  3     *
        .*                                  3     *
        .*                                  1     *
        .*                                  7     0
        .*                                 18     0
        .**                                41     0
    4900+***                               70     0
        .******                           142     |
        .**********                        258     |
        .******************                513     |
        .*****************************     853  +-----+
        .******************************************  1164  *--+--*
        .*************************************************  1255  |     |
        .************************************  953  +-----+
        .*******************                502     |
        .******                            136     |
        .**                                 32     |
        .*                                   2     0
    2500+*                                   1     0
        ----+----+----+----+----+----+----+----+----+--
        * may represent up to 27 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HDL (Head Lean (g))

```
                        Normal Probability Plot
     7300+                                        *
         |
         |
         |
         |
         |
         |                                  *
         |                                  *
         |                                  *
         |                                  *
         |                                  *
         |                                ****
     4900+                             *** ++
         |                           ****+++
         |                         *****+
         |                       *****
         |                     +*****
         |                  +******
         |                *******
         |              *******
         |           ********
         |*******++
         |*++++
         |*
     2500+*
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```
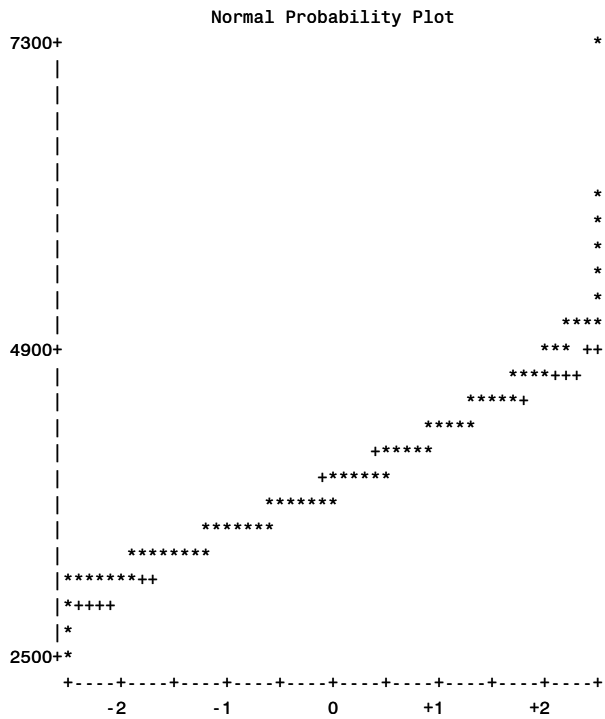
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAL (Left Arm Lean (g))

Moments			
N	5955	Sum Weights	5955
Mean	3145.40481	Sum Observations	18730885.6
Std Deviation	573.219801	Variance	328580.94
Skewness	0.5548995	Kurtosis	0.81595599
Uncorrected SS	6.08726E10	Corrected SS	1956370918
Coeff Variation	18.2240391	Std Error Mean	7.42814377

Basic Statistical Measures			
Location		Variability	
Mean	3145.405	Std Deviation	573.21980
Median	3099.948	Variance	328581
Mode	.	Range	5493
		Interquartile Range	740.95625

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	423.4443	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6260.517
99%	4759.013
95%	4148.132
90%	3875.747
75% Q3	3490.412
50% Median	3099.948
25% Q1	2749.455
10%	2451.765
5%	2292.055
1%	2048.423
0% Min	767.023

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAL (Left Arm Lean (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
767.023	SD8564	5540	5584.09	PI5011	3480
841.448	PO7114	4580	5593.38	MN2014	1482
1419.955	MN2275	1743	5600.40	BI0912	903
1456.286	SD8886	5862	5654.21	PO7477	4942
1460.849	SD8747	5723	6260.52	MN2298	1766

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                Histogram                      #  Boxplot
   6250+*                                       1     *
       .*                                       6     0
       .*                                      29     0
       .***                                    86     0
       .********                              312     |
       .***********************              1024     |
       .************************************ 1929  +--+--+
       .************************************ 1867  +-----+
       .*****************                     661     |
       .*                                      35     |
       .*                                       3     0
    750+*                                       2     0
       ----+----+----+----+----+----+----+----+----+---
        * may represent up to 41 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAL (Left Arm Lean (g))

```
                           Normal Probability Plot
      6250+                                              *
          |                                              *
          |                                              *
          |                                          ******
          |                                    ******+++
          |                            *********
          |                      **********
          |                *********** 
          |*************
          |*+++++
          |*
       750+*
          +----+----+----+----+----+----+----+----+----+----+
              -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAL (Right Arm Lean (g))

Moments			
N	5955	Sum Weights	5955
Mean	3316.29412	Sum Observations	19748531.5
Std Deviation	580.267097	Variance	336709.904
Skewness	0.48090027	Kurtosis	0.40471294
Uncorrected SS	6.74967E10	Corrected SS	2004770768
Coeff Variation	17.4974558	Std Error Mean	7.51946708

Basic Statistical Measures			
Location		Variability	
Mean	3316.294	Std Deviation	580.26710
Median	3286.045	Variance	336710
Mode	.	Range	4357
		Interquartile Range	777.65516

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	441.0278	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5867.02
99%	4895.01
95%	4345.05
90%	4082.18
75% Q3	3675.74
50% Median	3286.05
25% Q1	2898.09
10%	2604.73
5%	2440.17
1%	2196.94
0% Min	1510.50

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
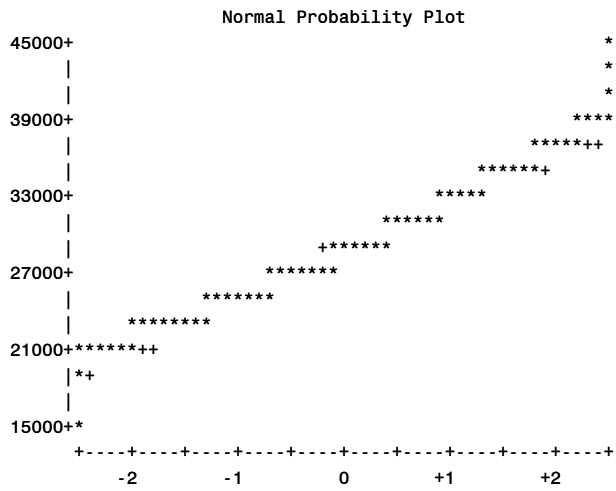Variable: B1RAL (Right Arm Lean (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1510.50	MN1754	1222	5673.58	MN1521	990
1562.08	SD8747	5723	5747.19	MN2298	1766
1599.94	MN1504	973	5781.13	PI5055	3524
1733.88	SD8189	5170	5788.50	BI0912	903
1809.92	BI0118	116	5867.02	MN2278	1746

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

The UNIVARIATE Procedure
Variable: B1RAL (Right Arm Lean (g))

```
            Histogram                               #  Boxplot
  5900+*                                            1     O
      .*                                            4     O
      .*                                            3     O
      .*                                           14     O
      .**                                          22     O
      .***                                         37     O
      .****                                        60     |
      .*******                                    112     |
      .**********                                 191     |
      .***************                            270     |
      .**********************                     403     |
  3700+**********************************         608   +-----+
      .*********************************************    758   |     |
      .***********************************************  823   *--+--*
      .********************************************     774   |     |
      .*******************************************      739   +-----+
      .*****************************                    552     |
      .******************                               337     |
      .***********                                      187     |
      .***                                               45     |
      .*                                                 11     |
      .*                                                  1     |
  1500+*                                                  3     O
      ----+----+----+----+----+----+----+----+----+-
      * may represent up to 18 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAL (Right Arm Lean (g))

```
                     Normal Probability Plot
   5900+                                       *
       |                                       *
       |                                       *
       |                                       *
       |                                      **
       |                                    ***
       |                                 ***+++
       |                               ****++
       |                            ****+
       |                          ***+
       |                        ****
   3700+                     +****
       |                   *****
       |                 +****
       |               *****
       |             *****
       |           *****
       |         *****
       |    *******+
       |***+++
       |*++
       |*
   1500+*
       +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKL (Trunk Lean (g))

Moments			
N	5955	Sum Weights	5955
Mean	28794.5445	Sum Observations	171471513
Std Deviation	3784.83972	Variance	14325011.7
Skewness	0.37461327	Kurtosis	0.14614123
Uncorrected SS	5.02274E12	Corrected SS	8.52911E10
Coeff Variation	13.1442945	Std Error Mean	49.0463406

Basic Statistical Measures			
Location		Variability	
Mean	28794.54	Std Deviation	3785
Median	28527.91	Variance	14325012
Mode	.	Range	29076
		Interquartile Range	5052

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	587.0885	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	44685.9
99%	38584.7
95%	35435.4
90%	33826.3
75% Q3	31154.8
50% Median	28527.9
25% Q1	26102.8
10%	24122.4
5%	23097.7
1%	20921.5
0% Min	15609.6

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKL (Trunk Lean (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
15609.6	SD8656	5632	42106.8	SD8984	5960
18082.4	PI5171	3640	42194.7	PI5026	3495
18139.4	MN2073	1541	42203.4	PO7026	4495
18473.7	PI4977	3446	43305.8	MN2014	1482
18527.2	PO7457	4922	44685.9	PA3908	2878

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                Histogram                      #  Boxplot
  45000+*                                       1     O
      .*                                        7     O
      .*                                       16     O
  39000+***                                    60     O
      .******                                 151     |
      .************                           318     |
  33000+********************                  586     |
      .********************************       931  +-----+
      .***********************************   1251  *--+--*
  27000+**********************************   1205  +-----+
      .*******************************        876     |
      .****************                       427     |
  21000+****                                  105     |
      .*                                       20     O
      .
  15000+*                                       1     O
      ----+----+----+----+----+----+----+----+--
       * may represent up to 27 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKL (Trunk Lean (g))

```
                    Normal Probability Plot
    45000+                                      *
         |                                      *
         |                                      *
    39000+                                   ****
         |                               *****++
         |                             ******+
    33000+                         *****
         |                     ******
         |                 +******
    27000+              *******
         |          *******
         |      ********
    21000+*******++
         |*+
         |
    15000+*
         +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLL (Left Leg Lean (g))

Moments			
N	5955	Sum Weights	5955
Mean	8791.2124	Sum Observations	52351669.8
Std Deviation	1271.18725	Variance	1615917.01
Skewness	0.45863992	Kurtosis	0.48042598
Uncorrected SS	4.69856E11	Corrected SS	9621169896
Coeff Variation	14.459749	Std Error Mean	16.4728462

Basic Statistical Measures			
Location		Variability	
Mean	8791.212	Std Deviation	1271
Median	8690.957	Variance	1615917
Mode	.	Range	10643
		Interquartile Range	1643

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	533.679	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	14860.69
99%	12254.67
95%	11028.26
90%	10455.38
75% Q3	9570.92
50% Median	8690.96
25% Q1	7927.50
10%	7240.36
5%	6877.80
1%	6171.00
0% Min	4218.16

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLL (Left Leg Lean (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
4218.16	MN1686	1155	13577.3	SD8158	5139
5086.24	BI0118	116	13609.3	SD8290	5270
5136.72	SD8189	5170	14034.0	BI0230	227
5360.96	PI4807	3276	14660.1	PI4932	3401
5381.46	PA3954	2922	14860.7	BI0974	963

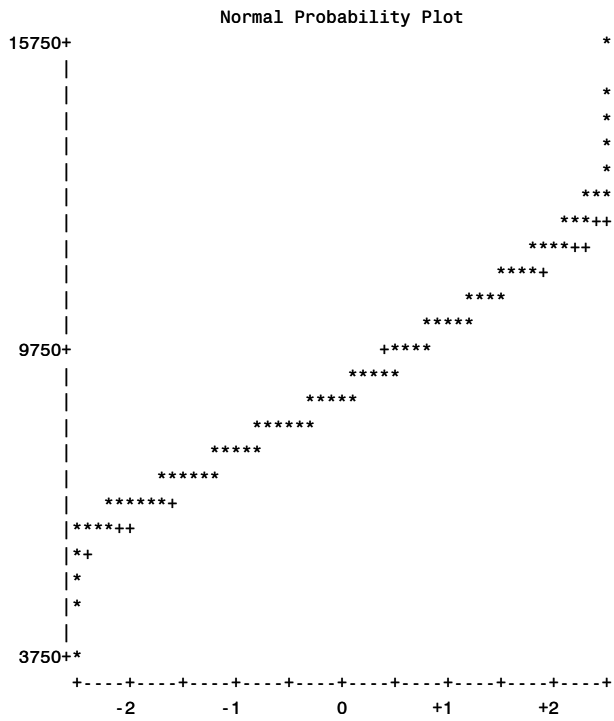| Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                         Histogram                        #  Boxplot
     14750+*                                              2     *
         .*                                               1     0
         .*                                               3     0
         .*                                              13     0
         .**                                             25     0
         .**                                             39     0
         .****                                           80     |
     11250+*******                                      147     |
         .*************                                 261     |
         .******************                            399     |
         .***************************                   610  +-----+
         .*************************************         819  |     |
         .*********************************************  949  *--+--*
         .**********************************************  988  |     |
      7750+**********************************            741  +-----+
         .************************                      507     |
         .*************                                 241     |
         .*****                                          95     |
         .**                                             27     |
         .*                                               7     0
         .
      4250+*                                               1     0
         ----+----+----+----+----+----+----+----+----+---
         * may represent up to 21 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLL (Left Leg Lean (g))

```
                        Normal Probability Plot
    14750+                                         *
         |                                         *
         |                                         *
         |                                         *
         |                                        **
         |                                       ***
         |                                   ****+++
    11250+                                 ****++
         |                              ****+
         |                            ****
         |                          *****
         |                        *****
         |                      *****
         |                    *****
     7750+                  *****
         |                ******
         |             ******
         |******+
         |*+++
         |*
         |
     4250+*
         +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLL (Right Leg Lean (g))

Moments			
N	5955	Sum Weights	5955
Mean	8992.65173	Sum Observations	53551241
Std Deviation	1280.53493	Variance	1639769.71
Skewness	0.43961746	Kurtosis	0.52364439
Uncorrected SS	4.91331E11	Corrected SS	9763188863
Coeff Variation	14.2397923	Std Error Mean	16.5939794

Basic Statistical Measures			
Location		Variability	
Mean	8992.652	Std Deviation	1281
Median	8901.311	Variance	1639770
Mode	.	Range	12221
		Interquartile Range	1657

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	541.9226	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	15890.28
99%	12513.69
95%	11249.12
90%	10667.60
75% Q3	9770.18
50% Median	8901.31
25% Q1	8112.99
10%	7439.96
5%	7045.88
1%	6375.86
0% Min	3668.85

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLL (Right Leg Lean (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
3668.85	PO6772	4241	13996.9	PI5364	3833
4603.99	MN1664	1133	14070.8	MN2022	1490
4941.39	BI0118	116	14112.9	BI0230	227
5410.91	SD8189	5170	14797.2	BI0974	963
5481.62	PI5351	3820	15890.3	PI4932	3401

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
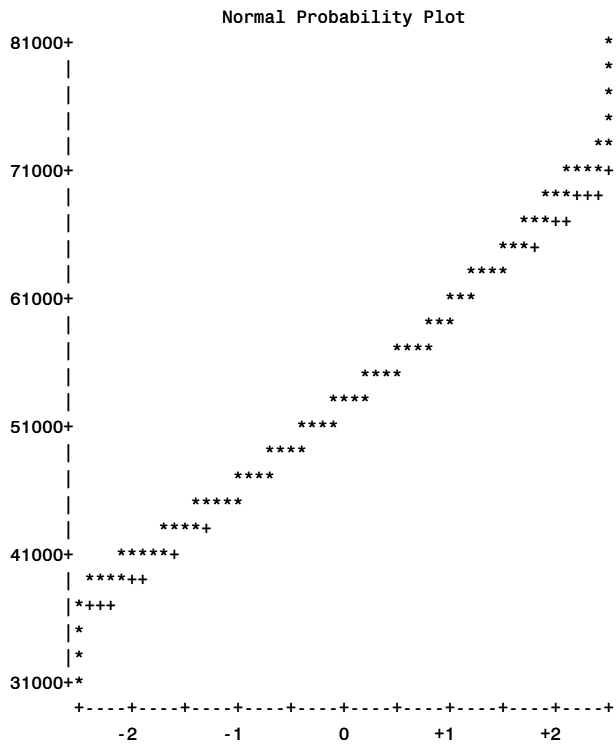Data Univariates

The UNIVARIATE Procedure
Variable: B1RLL (Right Leg Lean (g))

```
                   Histogram             #  Boxplot
  15750+*                                 1     *
       .
       .*                                 1     *
       .*                                 2     0
       .*                                 5     0
       .*                                13     0
       .**                               41     0
       .**                               44     0
       .*****                            98     |
       .*********                       211     |
       .**************                  294     |
       .*********************           493     |
   9750+*****************************   671  +-----+
       .********************************************  898  |     |
       .*************************************************  1014  *--+--*
       .**************************************  847  +-----+
       .******************************  670     |
       .*****************             385     |
       .*********               186     |
       .***                      62     |
       .*                        14     |
       .*                         2     0
       .*                         2     0
       .
   3750+*                         1     0
       ----+----+----+----+----+----+----+----+----+--
       * may represent up to 22 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLL (Right Leg Lean (g))

```
                          Normal Probability Plot
      15750+                                    *
           |
           |                                       *
           |                                       *
           |                                       *
           |                                       *
           |                                    ***
           |                                 ***++
           |                               ****++
           |                             ****+
           |                           ****
           |                         *****
       9750+                      +****
           |                     *****
           |                   *****
           |                 ******
           |               *****
           |             ******
           |           ******+
           |****++
           |*+
           |*
           |*
           |
       3750+*
           +----+----+----+----+----+----+----+----+----+----+
               -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBL (Sub Total Lean (g))

Moments			
N	5955	Sum Weights	5955
Mean	53040.1264	Sum Observations	315853953
Std Deviation	7015.54094	Variance	49217814.6
Skewness	0.39806708	Kurtosis	0.20520755
Uncorrected SS	1.7046E13	Corrected SS	2.93043E11
Coeff Variation	13.2268556	Std Error Mean	90.9118049

Basic Statistical Measures			
Location		Variability	
Mean	53040.13	Std Deviation	7016
Median	52542.81	Variance	49217815
Mode	.	Range	49597
		Interquartile Range	9270

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	583.424	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	80608.0
99%	71695.3
95%	65242.8
90%	62257.9
75% Q3	57388.6
50% Median	52542.8
25% Q1	48118.7
10%	44544.8
5%	42344.3
1%	38812.0
0% Min	31011.0

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBL (Sub Total Lean (g))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
31011.0	SD8656	5632	78646.3	PI5026	3495
32342.6	BI0118	116	78733.0	SD8156	5137
33111.1	SD8189	5170	79163.3	MN2298	1766
33559.1	SD8747	5723	80493.7	MN2014	1482
34230.1	PI5171	3640	80608.0	PA3908	2878

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBL (Sub Total Lean (g))

```
                    Histogram            #  Boxplot
     81000+*                             2    0
          .*                             4    0
          .*                             8    0
          .*                            11    0
          .**                           28    0
     71000+***                          43    0
          .*****                        62    |
          .*******                     101    |
          .**********                  147    |
          .***************             228    |
     61000+*********************       322    |
          .************************    380    |
          .***********************************       538  +-----+
          .********************************************  612  |     |
          .************************************************  676  *--+--*
     51000+*************************************************  701  |     |
          .***********************************************  638  +-----+
          .********************************  519    |
          .**************************  429    |
          .****************  240    |
     41000+***********  159    |
          .*****  65    |
          .***  31    |
          .*  7    |
          .*  3    0
     31000+*  1    0
          ----+----+----+----+----+----+----+----+----+--
          * may represent up to 15 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBL (Sub Total Lean (g))

```
                    Normal Probability Plot
    81000+                                        *
         |                                        *
         |                                        *
         |                                        *
         |                                       **
    71000+                                    ****+
         |                                   ***+++
         |                                 ***++
         |                               ***+
         |                             ****
    61000+                          ***
         |                         ***
         |                       ****
         |                     ****
         |                    ****
    51000+                  ****
         |                ****
         |              ****
         |            *****
         |          ****+
    41000+       *****+
         |    ****++
         | *+++
         | *
         | *
    31000+*
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HGT (Height (m))

Moments			
N	5992	Sum Weights	5992
Mean	1.74139269	Sum Observations	10434.425
Std Deviation	0.06795566	Variance	0.00461797
Skewness	0.09875365	Kurtosis	0.08364263
Uncorrected SS	18198.0977	Corrected SS	27.6662725
Coeff Variation	3.90237453	Std Error Mean	0.00087789

Basic Statistical Measures			
Location		Variability	
Mean	1.741393	Std Deviation	0.06796
Median	1.741000	Variance	0.00462
Mode	1.733500	Range	0.51750
		Interquartile Range	0.09050

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	1983.613	Pr > |t|	<.0001
Sign	M	2996	Pr >= |M|	<.0001
Signed Rank	S	8977514	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.9890
99%	1.9065
95%	1.8550
90%	1.8290
75% Q3	1.7855
50% Median	1.7410
25% Q1	1.6950
10%	1.6550
5%	1.6305
1%	1.5850
0% Min	1.4715

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HGT (Height (m))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1.4715	PA3598	2569	1.9765	PI4965	3434
1.5175	PO7173	4638	1.9765	PO7330	4795
1.5280	PA3150	2123	1.9785	PO7102	4569
1.5310	BI0531	525	1.9825	PI5077	3546
1.5315	SD8084	5065	1.9890	PO7026	4495

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
W	2	0.03	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HGT (Height (m))

```
                 Histogram                          #  Boxplot
    1.99+*                                           2    0
       .*                                            8    0
       .*                                            9    0
       .**                                          22    0
       .***                                         37    |
       .*****                                       65    |
       .********                                   114    |
       .************                               190    |
       .*****************                          286    |
       .************************                   410    |
       .*********************************          537  +-----+
       .******************************************* 636  |     |
       .*********************************************** 730  *--+--*
    1.73+******************************************  656  |     |
       .******************************************  657  |     |
       .***********************************         562  +-----+
       .************************                    387    |
       .******************                          293    |
       .************                                191    |
       .*******                                     112    |
       .***                                          46    |
       .**                                           24    |
       .*                                            10    0
       .*                                             6    0
       .*                                             1    0
       .
    1.47+*                                            1    0
        ----+----+----+----+----+----+----+----+-
        * may represent up to 16 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1HGT (Height (m))

```
                    Normal Probability Plot
  1.99+                                      *
     |                                       *
     |                                       *
     |                                       *
     |                                    ****
     |                                  ***+
     |                                ****
     |                              ****
     |                            ***
     |                          ****
     |                        ****
     |                      ****
     |                    ****
  1.73+                  ****
     |                ****
     |              ****
     |            ****
     |          ****
     |        ****
     |      *****
     |****+
     |*+
     |*
     |*
     |*
     |
  1.47+*
     +----+----+----+----+----+----+----+----+----+----+
         -2        -1         0        +1        +2
```
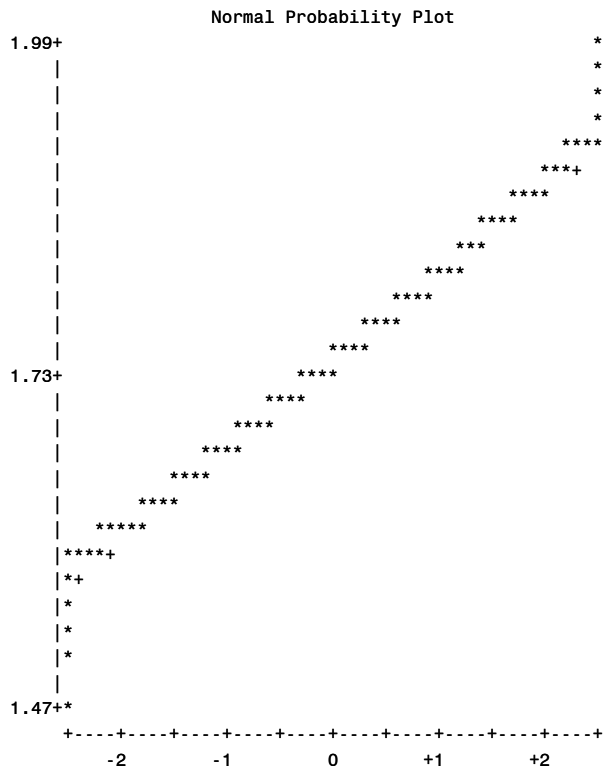
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBMKG (Total body mass (kg))

Moments			
N	5955	Sum Weights	5955
Mean	81.3406316	Sum Observations	484383.461
Std Deviation	12.8170065	Variance	164.275655
Skewness	0.58115233	Kurtosis	0.51063294
Uncorrected SS	40378154	Corrected SS	978097.25
Coeff Variation	15.7572006	Std Error Mean	0.16609085

Basic Statistical Measures			
Location		Variability	
Mean	81.34063	Std Deviation	12.81701
Median	80.12841	Variance	164.27565
Mode	.	Range	90.27354
		Interquartile Range	16.84206

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	489.7358	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	137.0759
99%	117.3420
95%	104.0066
90%	98.2645
75% Q3	89.0037
50% Median	80.1284
25% Q1	72.1617
10%	66.1841
5%	62.6840
1%	56.4314
0% Min	46.8024

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBMKG (Total body mass (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
46.8024	SD8656	5632	130.235	PI5247	3716
48.7108	PI5171	3640	130.273	SD8156	5137
49.2830	BI0118	116	130.801	MN1519	988
50.2057	PO6799	4268	133.108	PI4755	3224
50.3793	MN2073	1541	137.076	MN2454	1922

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                  Histogram                          #  Boxplot
    137.5+*                                          1     O
         .*                                          4     O
         .*                                         16     O
         .**                                        22     O
         .***                                       48     O
         .****                                      69     O
         .*****                                    105     |
         .**********                               225     |
         .****************                         353     |
    92.5+*************************                  545     |
         .******************************          697  +-----+
         .********************************************  917  *--+--*
         .*********************************************** 965  |   |
         .****************************************      872  +-----+
         .******************************              655     |
         .**************                              289     |
         .*******                                     135     |
         .**                                           34     |
    47.5+*                                             3     O
         ----+----+----+----+----+----+----+----+-
         * may represent up to 21 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBMKG (Total body mass (kg))

```
                 Normal Probability Plot
   137.5+                              *
        |                              *
        |                              *
        |                             **
        |                            ***
        |                         ****+++
        |                        ***+++
        |                      ****+
        |                    ****
    92.5+                  *****
        |                +****
        |              +*****
        |             *****
        |           ******
        |         ******
        |      ******+
        |*******++
        |*++++
    47.5+*
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```
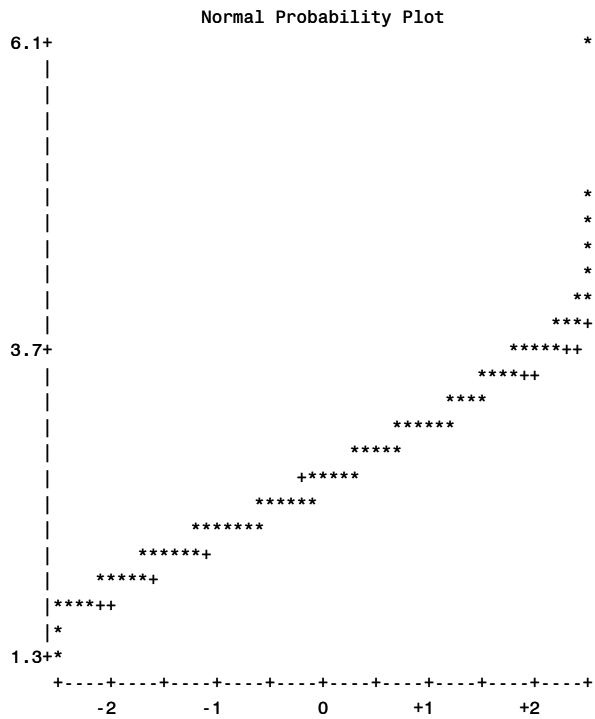
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBCKG (Total body BMC (kg))

Moments			
N	5955	Sum Weights	5955
Mean	2.69158276	Sum Observations	16028.3753
Std Deviation	0.45120361	Variance	0.20358469
Skewness	0.4921098	Kurtosis	1.13138719
Uncorrected SS	44353.842	Corrected SS	1212.14327
Coeff Variation	16.7635049	Std Error Mean	0.00584698

Basic Statistical Measures			
Location		Variability	
Mean	2.691583	Std Deviation	0.45120
Median	2.661427	Variance	0.20358
Mode	.	Range	4.91027
		Interquartile Range	0.58233

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	460.3372	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6.16484
99%	3.89570
95%	3.47589
90%	3.27004
75% Q3	2.96389
50% Median	2.66143
25% Q1	2.38156
10%	2.14780
5%	2.01052
1%	1.72478
0% Min	1.25458

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBCKG (Total body BMC (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1.25458	PO6873	4342	4.63496	PO7392	4857
1.35511	BI0873	864	4.64302	MN1608	1077
1.37928	SD8568	5544	4.69618	PI5256	3725
1.42657	SD8889	5865	4.83393	SD8057	5038
1.43991	SD8765	5741	6.16484	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBCKG (Total body BMC (kg))

```
                    Histogram             #  Boxplot
    6.1+*                                  1     *
       .
       .
       .
       .
       .
       .*                                  1     *
       .*                                  3     0
       .*                                  6     0
       .*                                  7     0
       .**                                26     0
       .**                                35     0
    3.7+*****                            114     |
       .********                         174     |
       .****************                 376     |
       .*************************        616     |
       .************************************   884  +-----+
       .**********************************************  1077  *--+--*
       .*********************************************  1057  |     |
       .************************************  834  +-----+
       .********************             465     |
       .*********                        185     |
       .****                              73     |
       .*                                 18     0
    1.3+*                                  3     0
       ----+----+----+----+----+----+----+----+----+--
       * may represent up to 23 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBCKG (Total body BMC (kg))

```
                     Normal Probability Plot
     6.1+                                         *
        |
        |
        |
        |
        |
        |                                    *
        |                                    *
        |                                    *
        |                                    *
        |                                   **
        |                                 ***+
     3.7+                               *****++
        |                             ****++
        |                          ****
        |                        ******
        |                      *****
        |                   +*****
        |                  ******
        |              *******
        |          ******+
        |        *****+
        |****++
        |*
     1.3+*
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1        0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBFKG (Total body fat mass (kg))

Moments			
N	5955	Sum Weights	5955
Mean	21.7468372	Sum Observations	129502.415
Std Deviation	7.09820015	Variance	50.3844453
Skewness	0.72917838	Kurtosis	0.97735749
Uncorrected SS	3116256.92	Corrected SS	299988.987
Coeff Variation	32.6401494	Std Error Mean	0.09198296

Basic Statistical Measures			
Location		Variability	
Mean	21.74684	Std Deviation	7.09820
Median	20.89951	Variance	50.38445
Mode	.	Range	57.28535
		Interquartile Range	9.00293

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	236.4225	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	61.60497
99%	41.90191
95%	34.71908
90%	31.00165
75% Q3	25.82192
50% Median	20.89951
25% Q1	16.81899
10%	13.52212
5%	11.60600
1%	8.23225
0% Min	4.31962

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBFKG (Total body fat mass (kg))

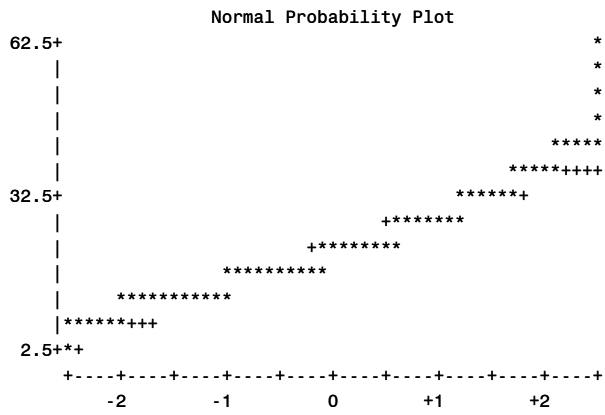| Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
4.31962	SD8163	5144	51.3975	MN1519	988
4.38597	PO7130	4596	52.0299	BI0655	647
4.62141	MN2458	1926	56.8709	PI5082	3551
4.93749	SD8490	5466	57.0418	BI0753	745
5.28114	BI0744	736	61.6050	MN2454	1922

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram                      #  Boxplot
      62.5+*                                        1     *
          .*                                        2     *
          .*                                        7     0
          .*                                       21     0
          .**                                      69     0
          .******                                 186     0
      32.5+************                            428     |
          .*************************              975  +-----+
          .*********************************************  1603  *--+--*
          .***********************************************  1718  +-----+
          .*********************                 798     |
          .****                                 143     |
       2.5+*                                      4     |
          ----+----+----+----+----+----+----+----+----+---
          * may represent up to 36 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBFKG (Total body fat mass (kg))

```
                   Normal Probability Plot
    62.5+                                        *
        |                                        *
        |                                        *
        |                                        *
        |                                     *****
        |                                 *****++++
    32.5+                            ******+
        |                       +*******
        |                  +********
        |            **********
        |      **********
        |******+++
     2.5+*+
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBLKG (Total body lean mass (kg))

Moments			
N	5955	Sum Weights	5955
Mean	56.8970911	Sum Observations	338822.178
Std Deviation	7.24575432	Variance	52.5009557
Skewness	0.40042319	Kurtosis	0.21174852
Uncorrected SS	19590587	Corrected SS	312590.69
Coeff Variation	12.7348414	Std Error Mean	0.09389506

Basic Statistical Measures			
Location		Variability	
Mean	56.89709	Std Deviation	7.24575
Median	56.39014	Variance	52.50096
Mode	.	Range	52.20211
		Interquartile Range	9.62358

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	605.9647	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	86.5179
99%	76.1721
95%	69.5927
90%	66.4619
75% Q3	61.4223
50% Median	56.3901
25% Q1	51.7987
10%	48.0671
5%	45.7880
1%	42.2080
0% Min	34.3158

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBLKG (Total body lean mass (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
34.3158	SD8656	5632	83.1371	PI5026	3495
35.4183	BI0118	116	83.5226	MN2298	1766
36.6116	SD8189	5170	83.6923	SD8156	5137
36.8018	SD8747	5723	86.0563	PA3908	2878
37.5523	PO7457	4922	86.5179	MN2014	1482

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
              Histogram                        #  Boxplot
   87.5+*                                       2     0
       .*                                      14     0
       .**                                     68     0
       .******                                188     |
       .***************                       530     |
       .*****************************        1054  +-----+
       .*************************************************  1598  *--+--*
       .********************************************  1483  +-----+
       .***********************                801     |
       .******                                199     |
       .*                                      17     0
   32.5+*                                       1     0
        ----+----+----+----+----+----+----+----+--
        * may represent up to 34 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBLKG (Total body lean mass (kg))

```
                     Normal Probability Plot
     87.5+                                        *
         |                                        *
         |                                     ****
         |                                 ******++
         |                             *******+
         |                         *******
         |                      ********
         |                  *********
         |            *********
         |********+
         |*+
     32.5+*
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBMKG (Sub body mass (kg))

Moments			
N	5955	Sum Weights	5955
Mean	75.9222376	Sum Observations	452116.925
Std Deviation	12.4923359	Variance	156.058455
Skewness	0.58672252	Kurtosis	0.52510854
Uncorrected SS	35254900.6	Corrected SS	929172.044
Coeff Variation	16.4541197	Std Error Mean	0.16188357

Basic Statistical Measures			
Location		Variability	
Mean	75.92224	Std Deviation	12.49234
Median	74.73447	Variance	156.05846
Mode	.	Range	88.15333
		Interquartile Range	16.34826

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	468.9929	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	130.3081
99%	111.0268
95%	98.0657
90%	92.3827
75% Q3	83.4057
50% Median	74.7345
25% Q1	67.0575
10%	61.2670
5%	57.6713
1%	51.6571
0% Min	42.1547

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBMKG (Sub body mass (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
42.1547	SD8656	5632	123.313	PI5247	3716
43.5453	PI5171	3640	123.654	BI0974	963
44.7858	BI0118	116	125.314	PI4755	3224
45.3896	SD8189	5170	125.533	MN1519	988
45.4056	MN2073	1541	130.308	MN2454	1922

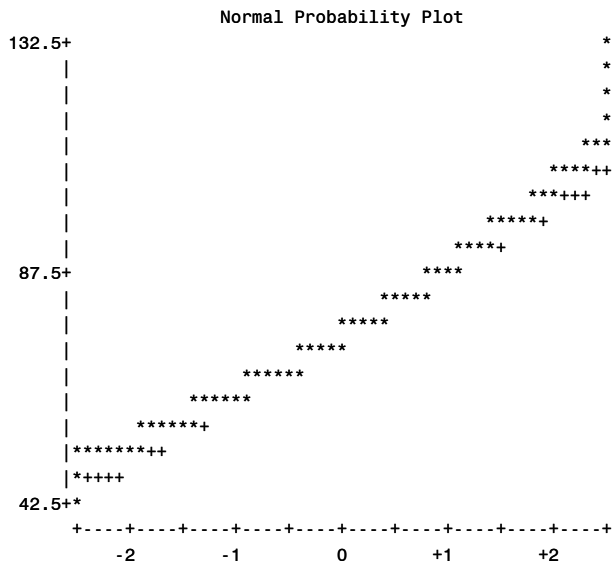| Missing Values | | | |
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram                     #  Boxplot
   132.5+*                                         1    0
        .*                                         2    0
        .*                                        10    0
        .*                                        21    0
        .**                                       38    0
        .****                                     67    0
        .*****                                    98    |
        .*********                               204    |
        .****************                        344    |
    87.5+************************                 513    |
        .******************************          690  +-----+
        .***********************************************  930  |  +  |
        .************************************************  994  *-----*
        .*******************************************  922  +-----+
        .****************************             647    |
        .***************                         312    |
        .*******                                 128    |
        .**                                       31    |
    42.5+*                                         3    0
         ----+----+----+----+----+----+----+----+---
         * may represent up to 21 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBMKG (Sub body mass (kg))

```
                     Normal Probability Plot
   132.5+                                        *
        |                                        *
        |                                        *
        |                                        *
        |                                      ***
        |                                   ****++
        |                                  ***+++
        |                             *****+
        |                           ****+
    87.5+                        ****
        |                      *****
        |                    *****
        |                   *****
        |                 ******
        |              ******
        |          ******+
        |*******++
        |*++++
    42.5+*
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBCKG (Sub body BMC (kg))

Moments			
N	5955	Sum Weights	5955
Mean	2.15486024	Sum Observations	12832.1927
Std Deviation	0.39499673	Variance	0.15602242
Skewness	0.49915794	Kurtosis	0.91101542
Uncorrected SS	28580.5394	Corrected SS	928.957465
Coeff Variation	18.3305034	Std Error Mean	0.00511862

Basic Statistical Measures			
Location		Variability	
Mean	2.154860	Std Deviation	0.39500
Median	2.124147	Variance	0.15602
Mode	.	Range	3.93506
		Interquartile Range	0.51266

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	420.9849	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

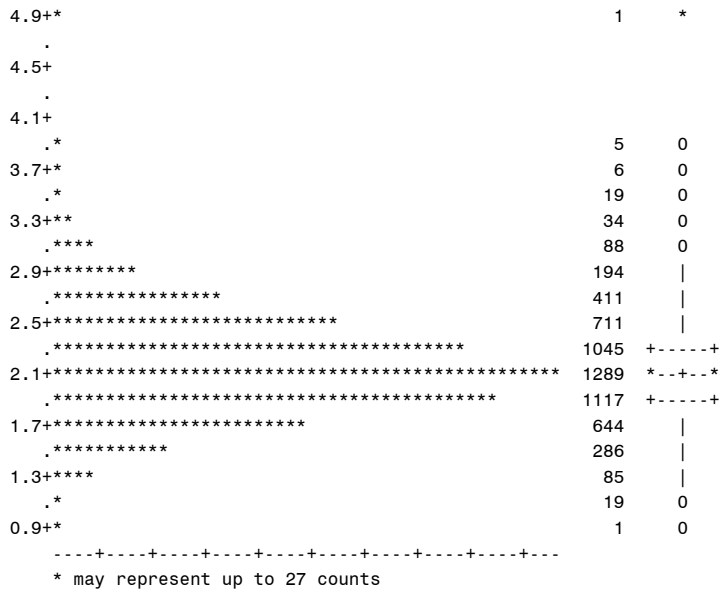| Quantiles (Definition 5)	
Level	Quantile
100% Max	4.809619
99%	3.212893
95%	2.842119
90%	2.666359
75% Q3	2.394121
50% Median	2.124147
25% Q1	1.881458
10%	1.683595
5%	1.551518
1%	1.329533
0% Min	0.874558

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBCKG (Sub body BMC (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.874558	PO6873	4342	3.83771	PO7392	4857
1.043936	SD8568	5544	3.85316	SD8486	5462
1.062634	SD8889	5865	3.96374	SD8057	5038
1.067982	PI4967	3436	3.98561	PI5256	3725
1.071151	BI0873	864	4.80962	PI5117	3586

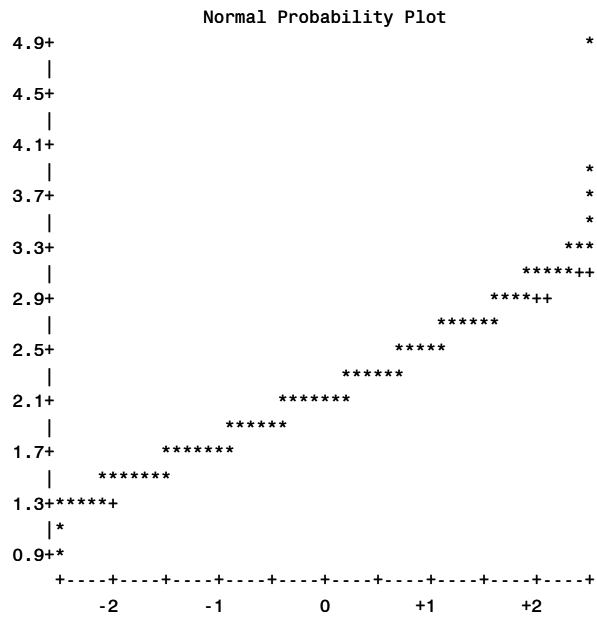| Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                       Histogram              #  Boxplot
   4.9+*                                       1     *
      .
   4.5+
      .
   4.1+
      .*                                       5     0
   3.7+*                                        6     0
      .*                                       19     0
   3.3+**                                      34     0
      .****                                    88     0
   2.9+********                               194     |
      .***************                        411     |
   2.5+*************************              711     |
      .************************************* 1045  +-----+
   2.1+************************************** 1289  *--+--*
      .*************************************  1117  +-----+
   1.7+***********************                644     |
      .***********                            286     |
   1.3+****                                    85     |
      .*                                       19     0
   0.9+*                                        1     0
      ----+----+----+----+----+----+----+----+---
      * may represent up to 27 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBCKG (Sub body BMC (kg))

```
                        Normal Probability Plot
    4.9+                                                *
       |
    4.5+
       |
    4.1+
       |                                              *
    3.7+                                              *
       |                                              *
    3.3+                                          ***
       |                                      *****++
    2.9+                                  ****++
       |                              ******
    2.5+                          *****
       |                      ******
    2.1+                  *******
       |              ******
    1.7+        *******
       |      *******
    1.3+******+
       |*
    0.9+*
       +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBFKG (Sub body fat (kg))

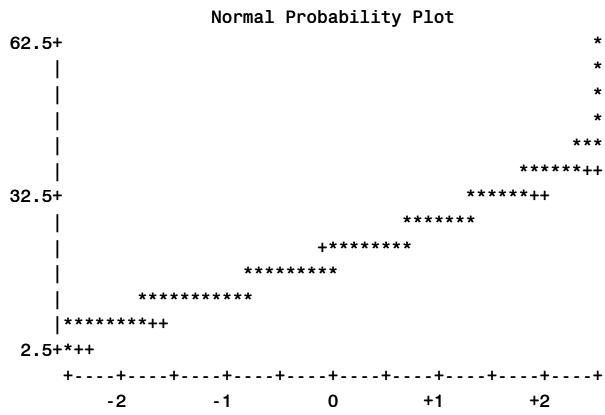| Moments			
N	5955	Sum Weights	5955
Mean	20.7231981	Sum Observations	123406.645
Std Deviation	7.03191063	Variance	49.4477671
Skewness	0.72989877	Kurtosis	0.98664346
Uncorrected SS	2851792.35	Corrected SS	294412.005
Coeff Variation	33.9325552	Std Error Mean	0.09112393

Basic Statistical Measures			
Location		Variability	
Mean	20.72320	Std Deviation	7.03191
Median	19.89333	Variance	49.44777
Mode	.	Range	56.79080
		Interquartile Range	8.89348

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	227.4177	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	60.21465
99%	40.79987
95%	33.60432
90%	29.83294
75% Q3	24.74993
50% Median	19.89333
25% Q1	15.85645
10%	12.58315
5%	10.65668
1%	7.36022
0% Min	3.42385

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBFKG (Sub body fat (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
3.42385	SD8163	5144	50.3096	MN1519	988
3.52452	PO7130	4596	50.9605	BI0655	647
3.76171	MN2458	1926	55.5431	PI5082	3551
4.10990	SD8490	5466	55.9262	BI0753	745
4.30102	BI0744	736	60.2147	MN2454	1922

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                  Histogram                      #  Boxplot
     62.5+*                                       1     *
         .*                                       2     *
         .*                                       2     0
         .*                                      18     0
         .**                                     45     0
         .*****                                 159     0
     32.5+**********                            352     |
         .**********************                849     |
         .*************************************     1502  +--+--+
         .**************************************************  1805  *-----*
         .*************************              997     |
         .******                                215     |
      2.5+*                                       8     |
         ----+----+----+----+----+----+----+----+----+---
         * may represent up to 38 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBFKG (Sub body fat (kg))

```
                    Normal Probability Plot
    62.5+                                        *
        |                                        *
        |                                        *
        |                                        *
        |                                      ***
        |                                ******++
    32.5+                              ******++
        |                          *******
        |                    +********
        |                *********
        |           ***********
        |*********++
     2.5+*+++
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBLKG (Sub body lean (kg))

Moments			
N	5955	Sum Weights	5955
Mean	53.0401264	Sum Observations	315853.953
Std Deviation	7.01554094	Variance	49.2178146
Skewness	0.39806708	Kurtosis	0.20520755
Uncorrected SS	17045976.5	Corrected SS	293042.868
Coeff Variation	13.2268556	Std Error Mean	0.0909118

Basic Statistical Measures			
Location		Variability	
Mean	53.04013	Std Deviation	7.01554
Median	52.54281	Variance	49.21781
Mode	.	Range	49.59701
		Interquartile Range	9.26989

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	583.424	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	80.6080
99%	71.6953
95%	65.2428
90%	62.2579
75% Q3	57.3886
50% Median	52.5428
25% Q1	48.1187
10%	44.5448
5%	42.3443
1%	38.8120
0% Min	31.0110

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBLKG (Sub body lean (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
31.0110	SD8656	5632	78.6463	PI5026	3495
32.3426	BI0118	116	78.7330	SD8156	5137
33.1111	SD8189	5170	79.1633	MN2298	1766
33.5591	SD8747	5723	80.4937	MN2014	1482
34.2301	PI5171	3640	80.6080	PA3908	2878

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates
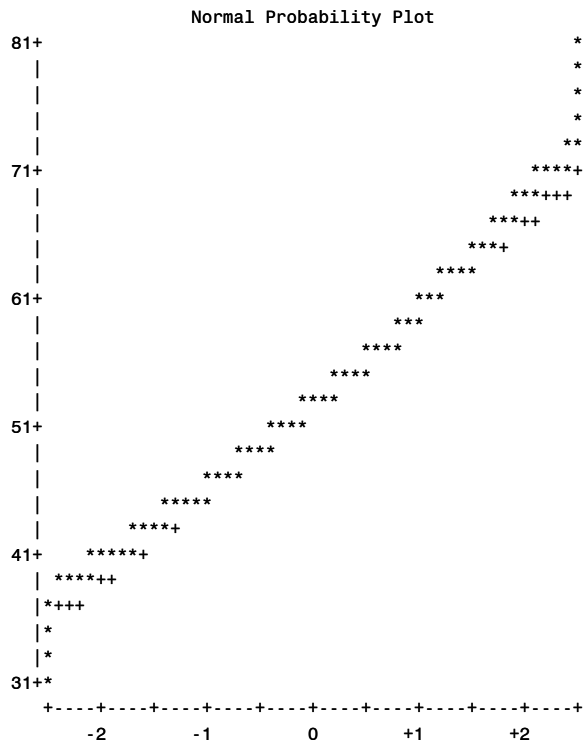
The UNIVARIATE Procedure
Variable: B1SBLKG (Sub body lean (kg))

```
                Histogram                        #  Boxplot
   81+*                                           2   0
     .*                                           4   0
     .*                                           8   0
     .*                                          11   0
     .**                                         28   0
   71+***                                        43   0
     .*****                                      62   |
     .*******                                   101   |
     .**********                                147   |
     .****************                          228   |
   61+**********************                    322   |
     .*************************                 380   |
     .************************************      538  +-----+
     .******************************************612  |     |
     .*********************************************676 *--+--*
   51+*********************************************701  |     |
     .******************************************  638  +-----+
     .*********************************           519   |
     .***************************                429   |
     .****************                           240   |
   41+***********                                159   |
     .*****                                       65   |
     .***                                         31   |
     .*                                            7   |
     .*                                            3   0
   31+*                                            1   0
      ----+----+----+----+----+----+----+----+----+--
      * may represent up to 15 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1SBLKG (Sub body lean (kg))

```
                    Normal Probability Plot
    81+                                        *
      |                                        *
      |                                        *
      |                                        *
      |                                       **
    71+                                    ****+
      |                                  ***+++
      |                                ***++
      |                              ***+
      |                            ****
    61+                          ***
      |                         ***
      |                       ****
      |                     ****
      |                   ****
    51+                 ****
      |               ****
      |            ****
      |          *****
      |        ****+
    41+     *****+
      |  ****++
      |*+++
      |*
      |*
    31+*
      +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LALKG (Left arm lean (kg))

Moments			
N	5955	Sum Weights	5955
Mean	3.14540481	Sum Observations	18730.8856
Std Deviation	0.5732198	Variance	0.32858094
Skewness	0.5548995	Kurtosis	0.81595599
Uncorrected SS	60872.5886	Corrected SS	1956.37092
Coeff Variation	18.2240391	Std Error Mean	0.00742814

Basic Statistical Measures			
Location		Variability	
Mean	3.145405	Std Deviation	0.57322
Median	3.099948	Variance	0.32858
Mode	.	Range	5.49349
		Interquartile Range	0.74096

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	423.4443	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6.260517
99%	4.759013
95%	4.148132
90%	3.875747
75% Q3	3.490412
50% Median	3.099948
25% Q1	2.749455
10%	2.451765
5%	2.292055
1%	2.048423
0% Min	0.767023

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LALKG (Left arm lean (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.767023	SD8564	5540	5.58409	PI5011	3480
0.841448	PO7114	4580	5.59338	MN2014	1482
1.419955	MN2275	1743	5.60040	BI0912	903
1.456286	SD8886	5862	5.65421	PO7477	4942
1.460849	SD8747	5723	6.26052	MN2298	1766

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                   Histogram                       #  Boxplot
      6.25+*                                        1     *
          .*                                        6     0
          .*                                       29     0
          .***                                     86     0
          .********                                312     |
          .************************                1024    |
          .*************************************************  1929  +--+--+
          .********************************************      1867  +-----+
          .*****************                        661    |
          .*                                        35     |
          .*                                         3     0
      0.75+*                                         2     0
          ----+----+----+----+----+----+----+----+----+---
          * may represent up to 41 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LALKG (Left arm lean (kg))

```
                         Normal Probability Plot
    6.25+                                        *
        |                                        *
        |                                        *
        |                                    ******
        |                              ******+++
        |                         *********
        |                    **********
        |               ***********
        |***************
        |*+++++
        |*
    0.75+*
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAFKG (Left arm fat (kg))

Moments			
N	5955	Sum Weights	5955
Mean	1.22240863	Sum Observations	7279.44342
Std Deviation	0.49723272	Variance	0.24724038
Skewness	1.51784701	Kurtosis	5.93235043
Uncorrected SS	10370.5237	Corrected SS	1472.06922
Coeff Variation	40.6764733	Std Error Mean	0.00644346

Basic Statistical Measures			
Location		Variability	
Mean	1.222409	Std Deviation	0.49723
Median	1.143978	Variance	0.24724
Mode	.	Range	6.19268
		Interquartile Range	0.57122

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	189.7132	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6.329259
99%	2.782835
95%	2.123932
90%	1.844420
75% Q3	1.457688
50% Median	1.143978
25% Q1	0.886464
10%	0.690955
5%	0.589217
1%	0.400481
0% Min	0.136584

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAFKG (Left arm fat (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.136584	SD8163	5144	4.45118	MN2062	1530
0.182679	MN2458	1926	4.48675	PI5082	3551
0.193309	BI0744	736	4.98870	PI4725	3194
0.210694	SD8490	5466	5.38195	BI0753	745
0.213400	MN2277	1745	6.32926	MN2454	1922

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                       Histogram                         #  Boxplot
   6.25+*                                                 1     *
       .
       .*                                                 1     *
       .*                                                 1     *
       .*                                                 6     *
       .*                                                 5     *
   3.25+*                                                22     O
       .**                                               98     O
       .******                                          271     O
       .******************                              956     |
       .*************************************************  2455  +--+--+
       .************************************            1988  +-----+
   0.25+***                                             151     |
       ----+----+----+----+----+----+----+----+----+---
        * may represent up to 52 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LAFKG (Left arm fat (kg))

```
                    Normal Probability Plot
   6.25+                                        *
       |
       |                                      *
       |                                      *
       |                                      *
       |                                      *
   3.25+                                      *
       |                                   ******
       |                                ******+++++
       |                           +*********
       |                  ************
       |        *****************
   0.25+******+++++
       +----+----+----+----+----+----+----+----+----+----+
          -2        -1        0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RALKG (Right arm lean (kg))

Moments			
N	5955	Sum Weights	5955
Mean	3.31629412	Sum Observations	19748.5315
Std Deviation	0.5802671	Variance	0.3367099
Skewness	0.48090027	Kurtosis	0.40471294
Uncorrected SS	67496.7097	Corrected SS	2004.77077
Coeff Variation	17.4974558	Std Error Mean	0.00751947

Basic Statistical Measures			
Location		Variability	
Mean	3.316294	Std Deviation	0.58027
Median	3.286045	Variance	0.33671
Mode	.	Range	4.35652
		Interquartile Range	0.77766

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	441.0278	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5.86702
99%	4.89501
95%	4.34505
90%	4.08218
75% Q3	3.67574
50% Median	3.28605
25% Q1	2.89809
10%	2.60473
5%	2.44017
1%	2.19694
0% Min	1.51050

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RALKG (Right arm lean (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1.51050	MN1754	1222	5.67358	MN1521	990
1.56208	SD8747	5723	5.74719	MN2298	1766
1.59994	MN1504	973	5.78113	PI5055	3524
1.73388	SD8189	5170	5.78850	BI0912	903
1.80992	BI0118	116	5.86702	MN2278	1746

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RALKG (Right arm lean (kg))

```
              Histogram                          #  Boxplot
  5.9+*                                          1     0
    .*                                           4     0
    .*                                           3     0
    .*                                          14     0
    .**                                         22     0
    .***                                        37     0
    .****                                       60     |
    .*******                                   112     |
    .**********                                191     |
    .***************                           270     |
    .**********************                    403     |
  3.7+********************************         608  +-----+
    .*********************************************  758  |     |
    .***********************************************  823  *--+--*
    .********************************************  774  |     |
    .*******************************************  739  +-----+
    .*****************************              552     |
    .******************                        337     |
    .***********                               187     |
    .***                                        45     |
    .*                                          11     |
    .*                                           1     |
  1.5+*                                          3     0
     ----+----+----+----+----+----+----+----+-
     * may represent up to 18 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RALKG (Right arm lean (kg))

```
                    Normal Probability Plot
    5.9+                                    *
       |                                    *
       |                                    *
       |                                    *
       |                                   **
       |                                  ***
       |                                ***+++
       |                              ****++
       |                            ****+
       |                           ***+
       |                         ****
    3.7+                       +****
       |                     *****
       |                   +****
       |                 *****
       |               *****
       |             *****
       |           *****
       |     *******+
       |***+++
       |*++
       |*
    1.5+*
       +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```
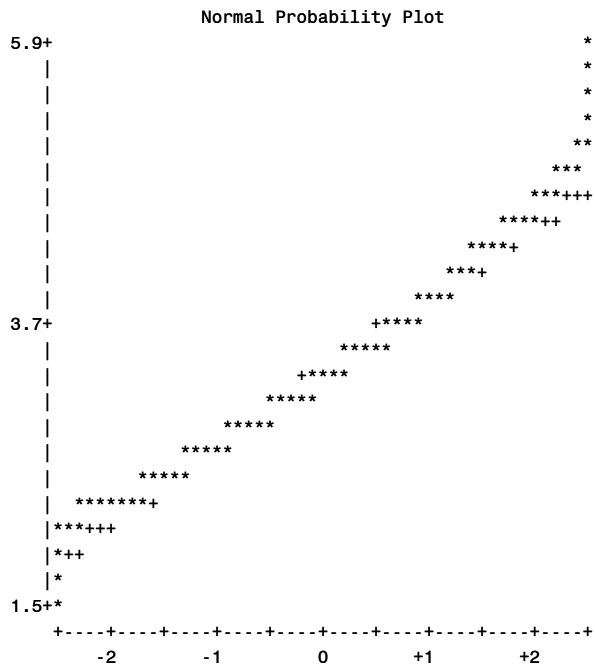
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAFKG (Right arm fat (kg))

Moments			
N	5955	Sum Weights	5955
Mean	1.24331112	Sum Observations	7403.91771
Std Deviation	0.5070104	Variance	0.25705955
Skewness	1.39246658	Kurtosis	4.30778817
Uncorrected SS	10735.9057	Corrected SS	1530.53254
Coeff Variation	40.779045	Std Error Mean	0.00657016

Basic Statistical Measures			
Location		Variability	
Mean	1.243311	Std Deviation	0.50701
Median	1.160420	Variance	0.25706
Mode	.	Range	4.92658
		Interquartile Range	0.59351

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	189.236	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	5.108413
99%	2.817262
95%	2.176847
90%	1.873746
75% Q3	1.488102
50% Median	1.160420
25% Q1	0.894596
10%	0.698693
5%	0.592353
1%	0.406239
0% Min	0.181829

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAFKG (Right arm fat (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.181829	SD8163	5144	4.56689	PI5284	3753
0.191750	BI0744	736	4.69380	PI5082	3551
0.212021	PO7130	4596	4.69899	MN2062	1530
0.216208	MN2458	1926	4.90078	MN1519	988
0.227940	SD8490	5466	5.10841	BI0753	745

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAFKG (Right arm fat (kg))

```
                  Histogram                            #  Boxplot
  5.1+*                                                1     *
    .*                                                 1     *
    .*                                                 2     *
    .*                                                 2     *
    .
  4.1+*                                                4     *
    .*                                                 4     *
    .*                                                 3     *
    .*                                                 3     *
    .*                                                11     O
  3.1+*                                               11     O
    .*                                                19     O
    .**                                               40     O
    .****                                             79     O
    .*****                                            95     O
  2.1+********                                       175     |
    .************                                    268     |
    .******************                              439     |
    .***************************                     688  +-----+
    .*****************************************       927  |  +  |
  1.1+****************************************************  1099  *-----*
    .***************************************************   1088  +-----+
    .****************************                     682     |
    .************                                    262     |
    .***                                              50     |
  0.1+*                                                2     |
     ----+----+----+----+----+----+----+----+----+---
     * may represent up to 23 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RAFKG (Right arm fat (kg))

```
                        Normal Probability Plot
    5.1+                                      *
       |                                      *
       |                                      *
       |                                      *
       |
    4.1+                                      *
       |                                      *
       |                                      *
       |                                      *
       |                                      *
    3.1+                                      *
       |                                   **
       |                                 ***
       |                              *** +++
       |                             ***+++
    2.1+                           ****+
       |                         +***
       |                        +****
       |                      +*****
       |                   +*****
    1.1+                 ******
       |               *******
       |            *******+
       |     **********+++
       |** ++++
    0.1+*++++
       +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```
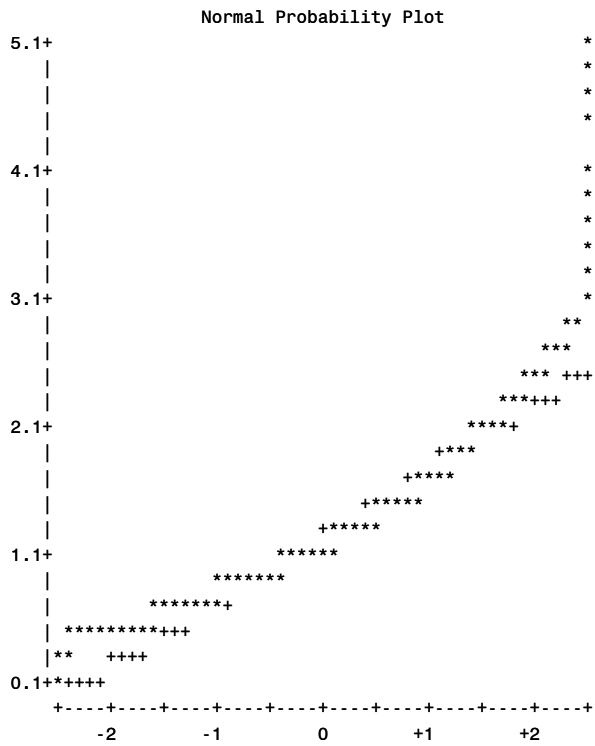
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLLKG (Left leg lean (kg))

Moments			
N	5955	Sum Weights	5955
Mean	8.7912124	Sum Observations	52351.6698
Std Deviation	1.27118725	Variance	1.61591701
Skewness	0.45863992	Kurtosis	0.48042598
Uncorrected SS	469855.819	Corrected SS	9621.1699
Coeff Variation	14.459749	Std Error Mean	0.01647285

Basic Statistical Measures			
Location		Variability	
Mean	8.791212	Std Deviation	1.27119
Median	8.690957	Variance	1.61592
Mode	.	Range	10.64254
		Interquartile Range	1.64342

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	533.679	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	14.86069
99%	12.25467
95%	11.02826
90%	10.45538
75% Q3	9.57092
50% Median	8.69096
25% Q1	7.92750
10%	7.24036
5%	6.87780
1%	6.17100
0% Min	4.21816

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLLKG (Left leg lean (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
4.21816	MN1686	1155	13.5773	SD8158	5139
5.08624	BI0118	116	13.6093	SD8290	5270
5.13672	SD8189	5170	14.0340	BI0230	227
5.36096	PI4807	3276	14.6601	PI4932	3401
5.38146	PA3954	2922	14.8607	BI0974	963

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                    Histogram                      #  Boxplot
   14.75+*                                          2     *
        .*                                          1     0
        .*                                          3     0
        .*                                         13     0
        .**                                        25     0
        .**                                        39     0
        .****                                      80     |
   11.25+*******                                  147     |
        .*************                            261     |
        .******************                       399     |
        .***************************              610  +-----+
        .*************************************    819  |     |
        .**********************************************  949  *--+--*
        .***********************************************  988  |     |
    7.75+**********************************       741  +-----+
        .************************                 507     |
        .*************                            241     |
        .*****                                     95     |
        .**                                        27     |
        .*                                          7     0
        .
    4.25+*                                          1     0
        ----+----+----+----+----+----+----+----+----+---
         * may represent up to 21 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLLKG (Left leg lean (kg))

```
                        Normal Probability Plot
     14.75+                                          *
          |                                          *
          |                                          *
          |                                          *
          |                                         **
          |                                       ***
          |                                    ****+++
     11.25+                                 ****++
          |                               ****+
          |                            ****
          |                          *****
          |                        *****
          |                      *****
          |                    *****
      7.75+                  *****
          |                ******
          |             ******
          |******+
          |*+++
          |*
          |
      4.25+*
          +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLFKG (Left leg fat (kg))

Moments			
N	5955	Sum Weights	5955
Mean	2.93680244	Sum Observations	17488.6585
Std Deviation	1.10799437	Variance	1.22765153
Skewness	1.07803121	Kurtosis	2.12850842
Uncorrected SS	58670.1722	Corrected SS	7309.43721
Coeff Variation	37.7279165	Std Error Mean	0.01435809

Basic Statistical Measures			
Location		Variability	
Mean	2.936802	Std Deviation	1.10799
Median	2.766821	Variance	1.22765
Mode	.	Range	9.09972
		Interquartile Range	1.35260

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	204.5399	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	9.591255
99%	6.358477
95%	4.964238
90%	4.420700
75% Q3	3.510108
50% Median	2.766821
25% Q1	2.157508
10%	1.709213
5%	1.459929
1%	1.101939
0% Min	0.491536

Data Univariates

The UNIVARIATE Procedure
Variable: B1LLFKG (Left leg fat (kg))

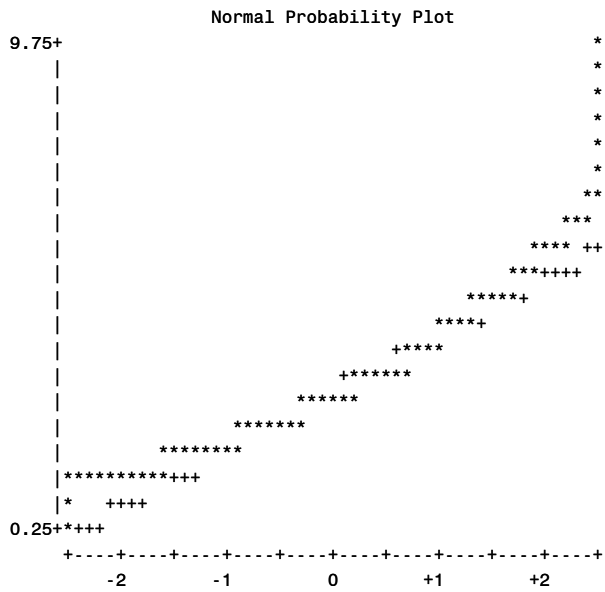| Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.491536	SD8163	5144	8.72876	BI0924	915
0.520774	MN2458	1926	8.82619	BI0258	254
0.632727	PO7130	4596	9.30328	PI5082	3551
0.685370	PA3622	2593	9.35096	MN2454	1922
0.694349	PA3092	2065	9.59126	PI5113	3582

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                Histogram                        #  Boxplot
 9.75+*                                           1     *
    .*                                            2     *
    .*                                            3     *
    .*                                            5     *
    .*                                            8     *
    .*                                            9     0
    .*                                           21     0
    .**                                          39     0
    .***                                         72     0
    .*****                                      130     |
    .*********                                  250     |
    .**************                             352     |
    .***********************                    609  +-----+
    .***********************************        958  |     |
    .*********************************************  1148  *--+--*
    .**********************************************  1210  +-----+
    .*****************************               803     |
    .************                               298     |
    .**                                          36     |
 0.25+*                                           1     |
     ----+----+----+----+----+----+----+----+--
     * may represent up to 26 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1LLFKG (Left leg fat (kg))

```
                        Normal Probability Plot
     9.75+                                      *
         |                                      *
         |                                      *
         |                                      *
         |                                      *
         |                                      *
         |                                     **
         |                                   ***
         |                                **** ++
         |                               ***++++
         |                           *****+
         |                         ****+
         |                       +****
         |                     +******
         |                    ******
         |                 *******
         |              ********
         |***********+++
         |*    ++++
     0.25+*+++
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLLKG (Right leg lean (kg))

Moments			
N	5955	Sum Weights	5955
Mean	8.99265173	Sum Observations	53551.241
Std Deviation	1.28053493	Variance	1.63976971
Skewness	0.43961746	Kurtosis	0.52364439
Uncorrected SS	491330.849	Corrected SS	9763.18886
Coeff Variation	14.2397923	Std Error Mean	0.01659398

Basic Statistical Measures			
Location		Variability	
Mean	8.992652	Std Deviation	1.28053
Median	8.901311	Variance	1.63977
Mode	.	Range	12.22143
		Interquartile Range	1.65719

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	541.9226	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	15.89028
99%	12.51369
95%	11.24912
90%	10.66760
75% Q3	9.77018
50% Median	8.90131
25% Q1	8.11299
10%	7.43996
5%	7.04588
1%	6.37586
0% Min	3.66885

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLLKG (Right leg lean (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
3.66885	PO6772	4241	13.9969	PI5364	3833
4.60399	MN1664	1133	14.0708	MN2022	1490
4.94139	BI0118	116	14.1129	BI0230	227
5.41091	SD8189	5170	14.7972	BI0974	963
5.48162	PI5351	3820	15.8903	PI4932	3401

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLLKG (Right leg lean (kg))

```
                  Histogram                        #  Boxplot
  15.75+*                                           1     *
       .
       .*                                           1     *
       .*                                           2     0
       .*                                           5     0
       .*                                          13     0
       .**                                         41     0
       .**                                         44     0
       .*****                                      98     |
       .*********                                 211     |
       .**************                            294     |
       .*********************                     493     |
   9.75+*****************************             671  +-----+
       .******************************************   898  |     |
       .*************************************************  1014  *--+--*
       .****************************************   847  +-----+
       .*****************************             670     |
       .******************                       385     |
       .*********                                186     |
       .***                                      62     |
       .*                                        14     |
       .*                                         2     0
       .*                                         2     0
       .
   3.75+*                                          1     0
       ----+----+----+----+----+----+----+----+--
       * may represent up to 22 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLLKG (Right leg lean (kg))

```
                          Normal Probability Plot
    15.75+                                    *
         |
         |                                      *
         |                                      *
         |                                      *
         |                                      *
         |                                   ***
         |                                ***++
         |                              ****++
         |                            ****+
         |                          ****
         |                        *****
     9.75+                     +****
         |                   *****
         |                 *****
         |               ******
         |             *****
         |          ******
         |        ******+
         |****++
         |*+
         |*
         |*
         |
     3.75+*
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLFKG (Right leg fat (kg))

Moments			
N	5955	Sum Weights	5955
Mean	3.04522321	Sum Observations	18134.3042
Std Deviation	1.16163796	Variance	1.34940275
Skewness	1.05142801	Kurtosis	2.14727999
Uncorrected SS	63257.3479	Corrected SS	8034.34397
Coeff Variation	38.1462337	Std Error Mean	0.01505324

Basic Statistical Measures			
Location		Variability	
Mean	3.045223	Std Deviation	1.16164
Median	2.873313	Variance	1.34940
Mode	.	Range	10.15288
		Interquartile Range	1.42745

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	202.2969	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	10.692770
99%	6.591747
95%	5.187573
90%	4.603678
75% Q3	3.654384
50% Median	2.873313
25% Q1	2.226935
10%	1.735234
5%	1.486903
1%	1.107207
0% Min	0.539894

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLFKG (Right leg fat (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.539894	MN2458	1926	9.03999	MN1519	988
0.548711	SD8163	5144	9.40659	BI0258	254
0.570599	PO7130	4596	9.62648	PI5082	3551
0.626121	SD8490	5466	10.32226	PI5113	3582
0.735611	PA3092	2065	10.69277	MN2454	1922

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                        Histogram                    #  Boxplot
  10.75+*                                             1     *
      .*                                              1     *
   9.75+*                                             1     *
      .*                                              2     *
   8.75+*                                             4     *
      .*                                              6     *
   7.75+*                                             6     0
      .*                                             14     0
   6.75+**                                           30     0
      .**                                            46     0
   5.75+*****                                        94     0
      .********                                     169     |
   4.75+************                                275     |
      .***************                             385     |
   3.75+****************************               713  +-----+
      .*********************************************994  |  +  |
   2.75+*************************************************1087 *-----*
      .*************************************************1092 +-----+
   1.75+********************************            724     |
      .************                                276     |
   0.75+**                                          35     |
      ----+----+----+----+----+----+----+----+----+---
      * may represent up to 23 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1RLFKG (Right leg fat (kg))

```
                     Normal Probability Plot
 10.75+                                   *
      |                                   *
  9.75+                                   *
      |                                   *
  8.75+                                   *
      |                                   *
  7.75+                                   *
      |                                   *
  6.75+                                 ***
      |                                ***
  5.75+                             ****++++
      |                           ****+++
  4.75+                        ****+
      |                      ****
  3.75+                  +*****
      |                +*****
  2.75+             ******
      |           ******
  1.75+       ********
      |**********++
  0.75+*    ++++
      +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```
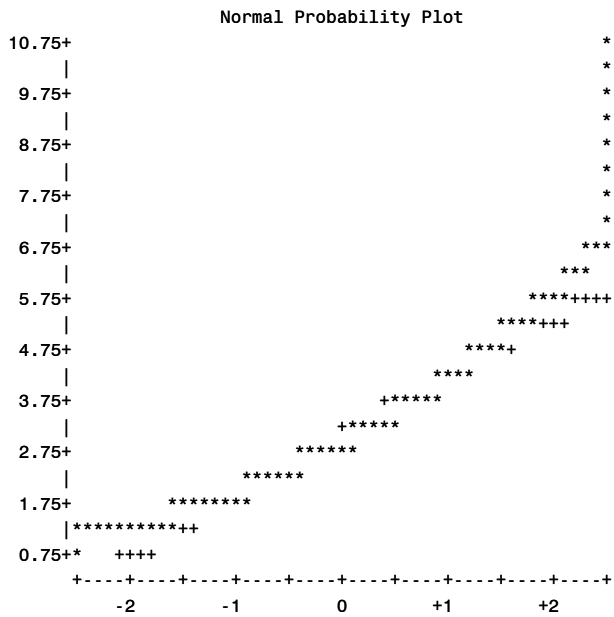
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKLKG (Trunk lean (kg))

Moments			
N	5955	Sum Weights	5955
Mean	28.7945445	Sum Observations	171471.513
Std Deviation	3.78483972	Variance	14.3250117
Skewness	0.37461327	Kurtosis	0.14614123
Uncorrected SS	5022735.23	Corrected SS	85291.1198
Coeff Variation	13.1442945	Std Error Mean	0.04904634

Basic Statistical Measures			
Location		Variability	
Mean	28.79454	Std Deviation	3.78484
Median	28.52791	Variance	14.32501
Mode	.	Range	29.07627
		Interquartile Range	5.05200

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	587.0885	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	44.6859
99%	38.5847
95%	35.4354
90%	33.8263
75% Q3	31.1548
50% Median	28.5279
25% Q1	26.1028
10%	24.1224
5%	23.0977
1%	20.9215
0% Min	15.6096

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKLKG (Trunk lean (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
15.6096	SD8656	5632	42.1068	SD8984	5960
18.0824	PI5171	3640	42.1947	PI5026	3495
18.1394	MN2073	1541	42.2034	PO7026	4495
18.4737	PI4977	3446	43.3058	MN2014	1482
18.5272	PO7457	4922	44.6859	PA3908	2878

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                  Histogram                #   Boxplot
   45+*                                     1      O
     .*                                     7      O
     .*                                    16      O
   39+***                                  60      O
     .******                              151      |
     .************                        318      |
   33+*********************                586      |
     .********************************    931   +-----+
     .*************************************************  1251   *--+--*
   27+********************************************  1205   +-----+
     .*******************************      876      |
     .****************                    427      |
   21+****                                105      |
     .*                                    20      O
     .
   15+*                                     1      O
     ----+----+----+----+----+----+----+----+--
      * may represent up to 27 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKLKG (Trunk lean (kg))

```
                  Normal Probability Plot
   45+                                        *
     |                                      *
     |                                      *
   39+                                  ****
     |                                *****++
     |                              ******+
   33+                         *****
     |                      ******
     |                   +******
   27+                *******
     |             *******
     |         ********
   21+*******++
     |*+
     |
   15+*
     +----+----+----+----+----+----+----+----+----+----+
         -2        -1         0        +1        +2
```
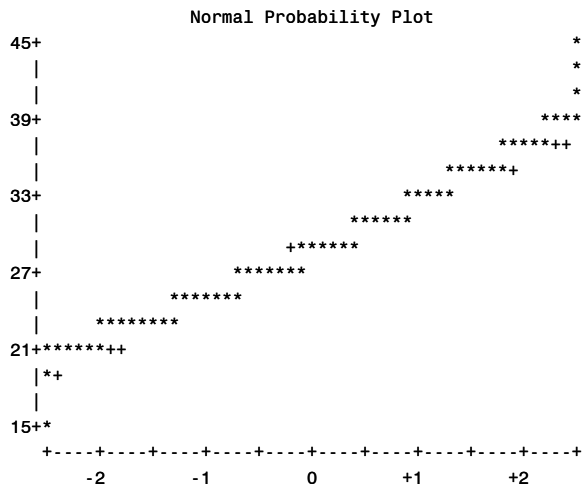
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKFKG (Trunk fat (kg))

Moments			
N	5955	Sum Weights	5955
Mean	12.243174	Sum Observations	72908.1011
Std Deviation	4.26343671	Variance	18.1768926
Skewness	0.53633809	Kurtosis	0.46504467
Uncorrected SS	1000851.79	Corrected SS	108225.218
Coeff Variation	34.8229692	Std Error Mean	0.0552483

Basic Statistical Measures			
Location		Variability	
Mean	12.24317	Std Deviation	4.26344
Median	11.87219	Variance	18.17689
Mode	.	Range	29.78106
		Interquartile Range	5.53416

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	221.6027	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	31.62943
99%	24.09599
95%	19.88089
90%	17.81388
75% Q3	14.80103
50% Median	11.87219
25% Q1	9.26686
10%	7.06865
5%	5.78693
1%	3.83843
0% Min	1.84837

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKFKG (Trunk fat (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1.84837	PO7130	4596	28.9829	PI5247	3716
2.04738	SD8163	5144	29.3902	BI0732	724
2.19462	SD8490	5466	29.4082	BI0753	745
2.27278	MN1951	1419	30.0236	MN2454	1922
2.29882	BI0744	736	31.6294	PA3080	2054

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	38	0.63	97.44
N	1	0.02	2.56
Total	39	0.65	100.00

```
                 Histogram                           #   Boxplot
      31+*                                            2      0
        .*                                            5      0
        .*                                           20      0
      25+**                                          34      0
        .***                                         75      0
        .******                                     146      |
      19+************                               278      |
        .********************                       520      |
        .****************************               760   +-----+
      13+*********************************************  1065   |  +  |
        .**********************************************  1166  *-----*
        .*************************************       974   +-----+
       7+***********************                    577      |
        .***********                                265      |
        .***                                         67      |
       1+*                                            1      |
        ----+----+----+----+----+----+----+----+--
         * may represent up to 25 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKFKG (Trunk fat (kg))

```
                    Normal Probability Plot
    31+                                      *
      |                                      *
      |                                      *
    25+                                   ***
      |                                ****++
      |                              ****++
    19+                            *****+
      |                         *****
      |                       *****
    13+                    ******
      |                  ******
      |               ******
     7+            *******
      |     ********+
      |***+++
     1+*
      +----+----+----+----+----+----+----+----+----+----+
         -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ASM (Appendicular skel lean (kg))

Moments			
N	5955	Sum Weights	5955
Mean	24.2455631	Sum Observations	144382.328
Std Deviation	3.49213975	Variance	12.19504
Skewness	0.46083035	Kurtosis	0.41280855
Uncorrected SS	3573240.11	Corrected SS	72609.2684
Coeff Variation	14.4032116	Std Error Mean	0.04525335

Basic Statistical Measures			
Location		Variability	
Mean	24.24556	Std Deviation	3.49214
Median	24.01428	Variance	12.19504
Mode	.	Range	25.38787
		Interquartile Range	4.53713

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	535.7739	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	39.0466
99%	33.7928
95%	30.4583
90%	28.8269
75% Q3	26.3556
50% Median	24.0143
25% Q1	21.8185
10%	19.9401
5%	18.9328
1%	17.1854
0% Min	13.6587

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ASM (Appendicular skel lean (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
13.6587	BI0118	116	37.7361	MN2278	1746
14.2013	SD8189	5170	37.9464	SD8156	5137
14.8383	SD8747	5723	37.9517	BI0974	963
15.3410	PO7354	4819	38.3115	BI0912	903
15.4014	SD8656	5632	39.0466	PI4932	3401

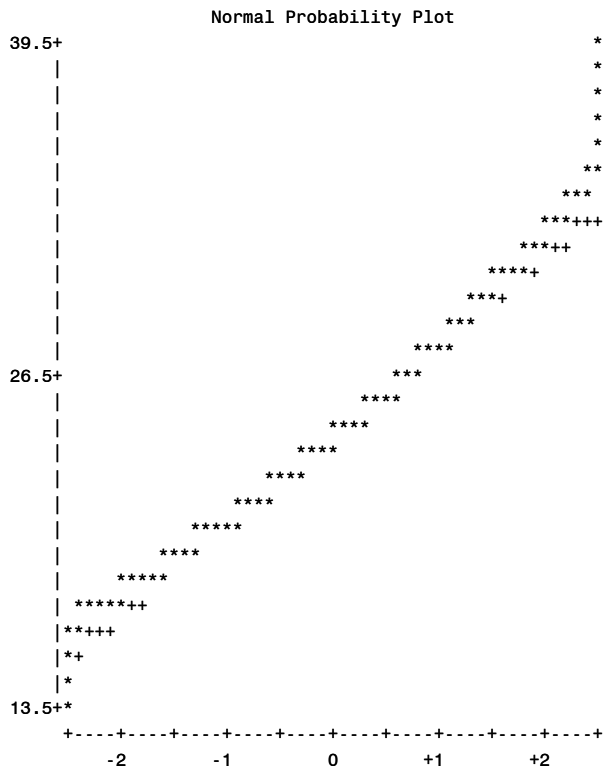| Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	39	0.65	100.00

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ASM (Appendicular skel lean (kg))

```
                Histogram                           #  Boxplot
   39.5+*                                            1    0
       .*                                            1    0
       .*                                            8    0
       .*                                            7    0
       .**                                          17    0
       .**                                          20    0
       .**                                          27    0
       .****                                        49    |
       .******                                      94    |
       .**********                                 145    |
       .*************                              196    |
       .***************                            256    |
       .***********************                    382    |
   26.5+*****************************              471  +-----+
       .************************************      592  |     |
       .************************************************  723  *--+--*
       .**********************************************  693  |     |
       .*****************************************   658  |     |
       .**********************************          587  +-----+
       .*************************                  410    |
       .*******************                        310    |
       .***********                                171    |
       .******                                      90    |
       .***                                         36    |
       .*                                            8    |
       .*                                            2    0
   13.5+*                                            1    0
       ----+----+----+----+----+----+----+----+----+-
       * may represent up to 16 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ASM (Appendicular skel lean (kg))

```
                        Normal Probability Plot
   39.5+                                        *
       |                                        *
       |                                        *
       |                                        *
       |                                        *
       |                                       **
       |                                     ***
       |                                  ***+++
       |                                 ***++
       |                               ****+
       |                              ***+
       |                            ***
       |                          ****
   26.5+                        ***
       |                      ****
       |                    ****
       |                  ****
       |                ****
       |              ****
       |            *****
       |          ****
       |        *****
       | *****++
       |**+++
       |*+
       |*
   13.5+*
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1OTHLKG (Non-ASM lean (kg))

Moments			
N	5955	Sum Weights	5955
Mean	32.6515281	Sum Observations	194439.85
Std Deviation	4.01505626	Variance	16.1206768
Skewness	0.38004916	Kurtosis	0.158739
Uncorrected SS	6444740.72	Corrected SS	95982.5096
Coeff Variation	12.2966872	Std Error Mean	0.05202963

Basic Statistical Measures			
Location		Variability	
Mean	32.65153	Std Deviation	4.01506
Median	32.38603	Variance	16.12068
Mode	.	Range	31.21975
		Interquartile Range	5.35146

Tests for Location: Mu0=0					
Test		Statistic		p Value	
Student's t	t	627.5564	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

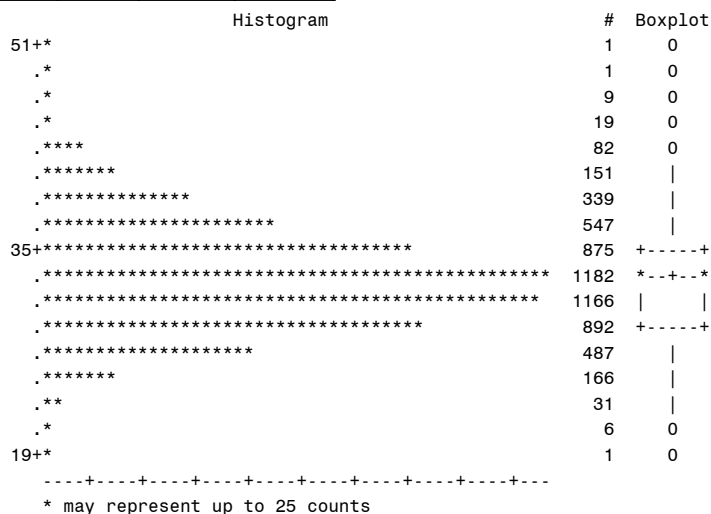| Quantiles (Definition 5)	
Level	Quantile
100% Max	50.1342
99%	42.9128
95%	39.6807
90%	38.0207
75% Q3	35.1679
50% Median	32.3860
25% Q1	29.8165
10%	27.7201
5%	26.5285
1%	24.4698
0% Min	18.9144

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1OTHLKG (Non-ASM lean (kg))

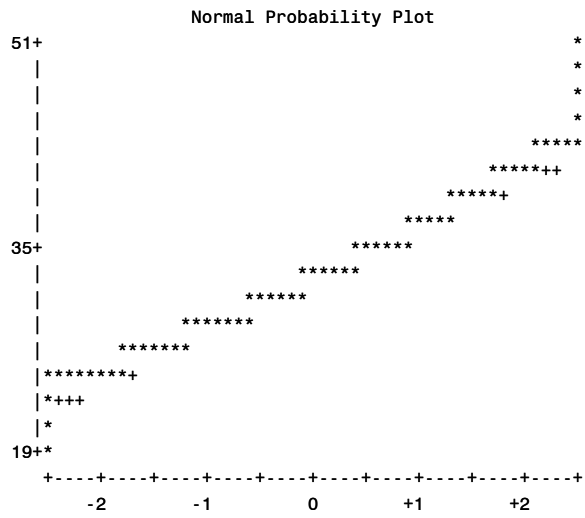| Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
18.9144	SD8656	5632	46.8743	PA3907	2877
21.4617	PO7457	4922	47.1512	PI5077	3546
21.6579	MN2073	1541	47.4753	BI0193	190
21.6658	MN1504	973	49.3300	MN2014	1482
21.7596	BI0118	116	50.1342	PA3908	2878

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	39	0.65	100.00

```
                    Histogram                      #   Boxplot
    51+*                                           1     0
      .*                                           1     0
      .*                                           9     0
      .*                                          19     0
      .****                                       82     0
      .*******                                   151     |
      .**************                            339     |
      .********************                      547     |
    35+**********************************        875   +-----+
      .************************************************* 1182  *--+--*
      .***********************************************  1166   |    |
      .**********************************          892  +-----+
      .********************                       487     |
      .*******                                    166     |
      .**                                          31     |
      .*                                            6     0
    19+*                                            1     0
      ----+----+----+----+----+----+----+----+---
      * may represent up to 25 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1OTHLKG (Non-ASM lean (kg))

```
                      Normal Probability Plot
      51+                                          *
        |                                          *
        |                                          *
        |                                          *
        |                                     *****
        |                                *****++
        |                             *****+
        |                         *****
      35+                     ******
        |                  ******
        |              ******
        |           *******
        |       *******
        |********+
        |*+++
        |*
      19+*
         +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1OTHFKG (Non-Trunk fat (kg))

Moments			
N	5955	Sum Weights	5955
Mean	9.50366316	Sum Observations	56594.3141
Std Deviation	3.19238558	Variance	10.1913257
Skewness	1.08549214	Kurtosis	2.34418698
Uncorrected SS	598532.452	Corrected SS	60679.1531
Coeff Variation	33.5911061	Std Error Mean	0.04136895

Basic Statistical Measures			
Location		Variability	
Mean	9.503663	Std Deviation	3.19239
Median	9.031181	Variance	10.19133
Mode	.	Range	29.30912
		Interquartile Range	3.88619

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	229.7294	Pr > |t|	<.0001
Sign	M	2977.5	Pr >= |M|	<.0001
Signed Rank	S	8866995	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	31.58137
99%	19.26081
95%	15.45211
90%	13.62543
75% Q3	11.17624
50% Median	9.03118
25% Q1	7.29005
10%	5.93875
5%	5.24504
1%	4.08314
0% Min	2.27225

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1OTHFKG (Non-Trunk fat (kg))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
2.27225	SD8163	5144	26.4756	PI5284	3753
2.31925	MN2458	1926	27.6335	BI0753	745
2.53759	PO7130	4596	29.3348	PI5113	3582
2.74287	SD8490	5466	29.4381	PI5082	3551
2.77331	PA3092	2065	31.5814	MN2454	1922

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	39	0.65	100.00

```
                      Histogram               #  Boxplot
     31+*                                      1     *
       .*                                      2     *
       .*                                      2     *
       .*                                      8     *
       .*                                      6     0
       .*                                     21     0
       .**                                    60     0
     17+*****                                137     0
       .*********                            286     |
       .*****************                    566     |
       .*********************************   1161  +-----+
       .********************************************  1579  *--+--*
       .*******************************************  1500  +-----+
       .******************                   575     |
      3+**                                    51     |
        ----+----+----+----+----+----+----+----+----+---
        * may represent up to 33 counts
```
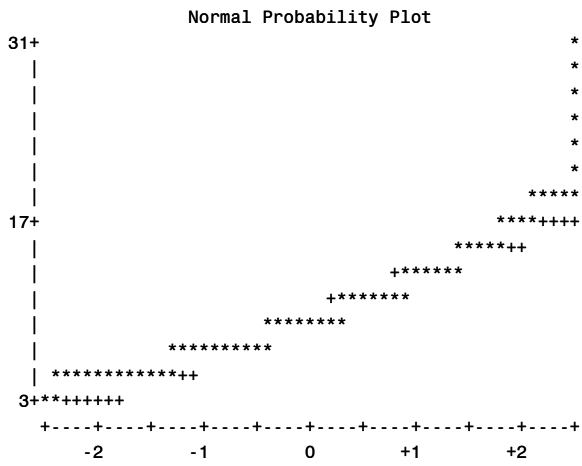
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1OTHFKG (Non-Trunk fat (kg))

```
                   Normal Probability Plot
     31+                                       *
       |                                       *
       |                                       *
       |                                       *
       |                                       *
       |                                       *
       |                                   *****
     17+                                ****++++
       |                             *****++
       |                         +******
       |                     +*******
       |                 ********
       |            **********
       |  *************++
      3+**++++++
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBLBMI (Lean BMI (kg/m2))

Moments			
N	5953	Sum Weights	5953
Mean	18.7377271	Sum Observations	111545.69
Std Deviation	1.91744603	Variance	3.67659927
Skewness	0.5186247	Kurtosis	0.73837161
Uncorrected SS	2111995.82	Corrected SS	21883.1188
Coeff Variation	10.2330769	Std Error Mean	0.02485165

Basic Statistical Measures			
Location		Variability	
Mean	18.73773	Std Deviation	1.91745
Median	18.61783	Variance	3.67660
Mode	.	Range	16.08933
		Interquartile Range	2.47582

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	753.9833	Pr > |t|	<.0001
Sign	M	2976.5	Pr >= |M|	<.0001
Signed Rank	S	8861041	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	29.3630
99%	24.0181
95%	22.1137
90%	21.1759
75% Q3	19.8846
50% Median	18.6178
25% Q1	17.4088
10%	16.4326
5%	15.8537
1%	14.8295
0% Min	13.2737

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBLBMI (Lean BMI (kg/m2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
13.2737	PO6768	4237	26.7176	PI5026	3495
13.3389	BI0118	116	27.3470	MN2223	1691
13.6768	SD8656	5632	27.6736	PA3907	2877
13.6790	SD8409	5386	27.6962	PI5116	3585
13.7267	MN1849	1317	29.3630	PI5139	3608

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	41	0.68	100.00

```
                    Histogram                        #  Boxplot
    29.5+*                                            1     *
        .
        .*                                            3     *
        .*                                            4     0
        .*                                           15     0
        .**                                          38     0
        .****                                        88     0
        .*******                                    189     |
    21.5+*************                               344     |
        .************************                    720     |
        .***********************************        1040  +-----+
        .**************************************..    1318  *--+--*
        .**************************************     1138  +-----+
        .***********************                     690     |
        .***********                                 282     |
        .***                                          76     |
    13.5+*                                            7     0
        ----+----+----+----+----+----+----+----+---
         * may represent up to 28 counts
```
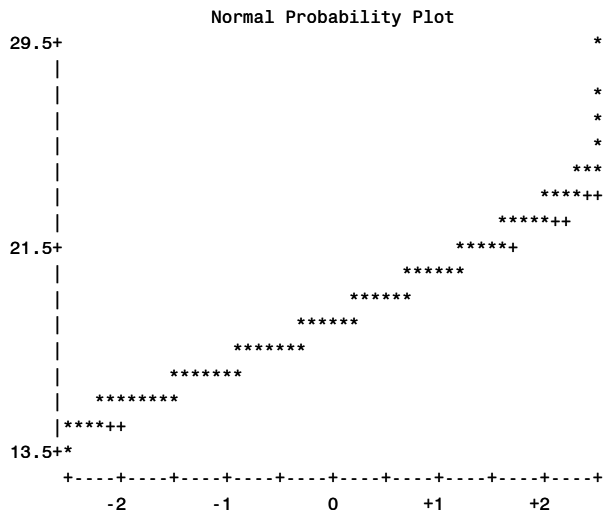
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBLBMI (Lean BMI (kg/m2))

```
                        Normal Probability Plot
   29.5+                                          *
       |
       |                                        *
       |                                        *
       |                                        *
       |                                     ***
       |                                  ****++
       |                               *****++
   21.5+                            *****+
       |                         ******
       |                      ******
       |                   ******
       |                *******
       |            *******
       |      ********
       |****++
   13.5+*
       +----+----+----+----+----+----+----+----+----+----+
         -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBFBMI (Fat BMI (kg/m2))

Moments			
N	5953	Sum Weights	5953
Mean	7.16225026	Sum Observations	42636.8758
Std Deviation	2.27482232	Variance	5.17481658
Skewness	0.735794	Kurtosis	1.17469155
Uncorrected SS	336176.483	Corrected SS	30800.5083
Coeff Variation	31.7612795	Std Error Mean	0.02948353

Basic Statistical Measures			
Location		Variability	
Mean	7.162250	Std Deviation	2.27482
Median	6.924235	Variance	5.17482
Mode	.	Range	19.00819
		Interquartile Range	2.87272

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	242.9237	Pr > |t|	<.0001
Sign	M	2976.5	Pr >= |M|	<.0001
Signed Rank	S	8861041	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	20.29453
99%	13.75766
95%	11.37052
90%	10.09011
75% Q3	8.47048
50% Median	6.92423
25% Q1	5.59776
10%	4.51280
5%	3.90414
1%	2.76294
0% Min	1.28635

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBFBMI (Fat BMI (kg/m2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
1.28635	SD8163	5144	17.9390	PA3080	2054
1.40552	PO7130	4596	19.1200	MN2454	1922
1.54680	MN2458	1926	19.1475	BI0753	745
1.63907	BI0744	736	19.1577	PI5139	3608
1.64024	SD8490	5466	20.2945	PI5082	3551

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	41	0.68	100.00

```
                    Histogram            #  Boxplot
    20.5+*                                1     *
        .*                                3     *
        .
        .*                                3     0
        .*                                4     0
        .*                               10     0
        .**                              25     0
        .***                             56     0
        .****                            92     0
        .*******                        161     |
        .************                   270     |
        .********************           502     |
        .***************************    736  +-----+
        .*****************************************  1021 | + |
        .********************************************** 1130 *-----*
        .*****************************************  992 +-----+
        .*************************      615     |
        .***********                   249     |
        .****                           74     |
     1.5+*                               9     0
        ----+----+----+----+----+----+----+----+----+---
        * may represent up to 24 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TBFBMI (Fat BMI (kg/m2))

```
                    Normal Probability Plot
   20.5+                                    *
       |                                    *
       |
       |                                   *
       |                                   *
       |                                   *
       |                                  **
       |                                ****
       |                             ****++++
       |                            ***+++
       |                          ****
       |                         *****
       |                       +*****
       |                      ******
       |                    ******
       |                  ******
       |                *******
       |      ********++
       |****+++
   1.5+*+++
       +----+----+----+----+----+----+----+----+----+----+
          -2        -1         0        +1        +2
```
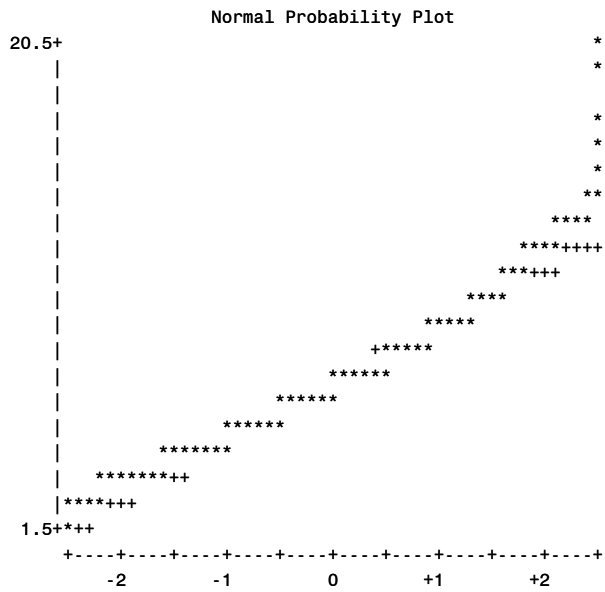
MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ASMBMI (ASM BMI (kg/m2))

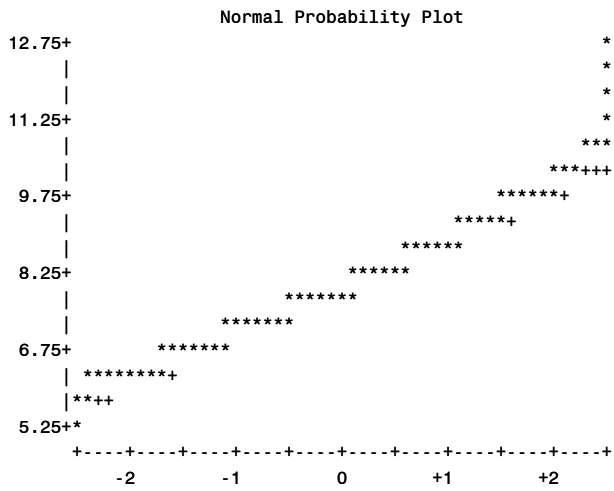| Moments			
N	5953	Sum Weights	5953
Mean	7.9805982	Sum Observations	47508.5011
Std Deviation	0.94276844	Variance	0.88881232
Skewness	0.53246037	Kurtosis	0.90149794
Uncorrected SS	384436.469	Corrected SS	5290.21094
Coeff Variation	11.8132552	Std Error Mean	0.01221904

Basic Statistical Measures			
Location		Variability	
Mean	7.980598	Std Deviation	0.94277
Median	7.905336	Variance	0.88881
Mode	.	Range	7.75709
		Interquartile Range	1.19858

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	653.1281	Pr > |t|	<.0001
Sign	M	2976.5	Pr >= |M|	<.0001
Signed Rank	S	8861041	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	12.90109
99%	10.65099
95%	9.60623
90%	9.18816
75% Q3	8.54259
50% Median	7.90534
25% Q1	7.34401
10%	6.85169
5%	6.54878
1%	6.05986
0% Min	5.14400

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ASMBMI (ASM BMI (kg/m2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
5.14400	BI0118	116	12.0891	PI5113	3582
5.39047	SD8353	5332	12.1840	MN2223	1691
5.44165	BI0279	275	12.4178	BI0670	662
5.45042	PO6768	4237	12.5864	MN2022	1490
5.47189	SD8189	5170	12.9011	PI5116	3585

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	41	0.68	100.00

```
               Histogram              #  Boxplot
  12.75+*                             2     *
      .*                             4     0
      .*                             9     0
  11.25+*                           20     0
      .**                          38     0
      .***                         77     0
   9.75+********                  211     |
      .***************           446     |
      .*************************  767  +-----+
   8.25+*************************************** 1150  |   |
      .************************************************* 1350  *--+--*
      .*********************************** 1071  +-----+
   6.75+******************           547     |
      .********                    209     |
      .**                           46     0
   5.25+*                            6     0
      ----+----+----+----+----+----+----+----+--
      * may represent up to 29 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1ASMBMI (ASM BMI (kg/m2))

```
                        Normal Probability Plot
    12.75+                                        *
         |                                        *
         |                                        *
    11.25+                                        *
         |                                     ***
         |                                  ***+++
     9.75+                            ******+
         |                        *****+
         |                     ******
     8.25+                  ******
         |               *******
         |            *******
     6.75+        *******
         |  ********+
         |**++
     5.25+*
         +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKFBMI (Trunk fat BMI (kg/m2))

Moments			
N	5953	Sum Weights	5953
Mean	4.03400345	Sum Observations	24014.4225
Std Deviation	1.37631686	Variance	1.89424809
Skewness	0.53146356	Kurtosis	0.63252144
Uncorrected SS	108148.828	Corrected SS	11274.5646
Coeff Variation	34.11789	Std Error Mean	0.01783818

Basic Statistical Measures			
Location		Variability	
Mean	4.034003	Std Deviation	1.37632
Median	3.918852	Variance	1.89425
Mode	.	Range	10.74886
		Interquartile Range	1.80242

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	226.1444	Pr > |t|	<.0001
Sign	M	2976.5	Pr >= |M|	<.0001
Signed Rank	S	8861041	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	11.341183
99%	7.775157
95%	6.480661
90%	5.816857
75% Q3	4.875509
50% Median	3.918852
25% Q1	3.073091
10%	2.374403
5%	1.945330
1%	1.270215
0% Min	0.592328

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
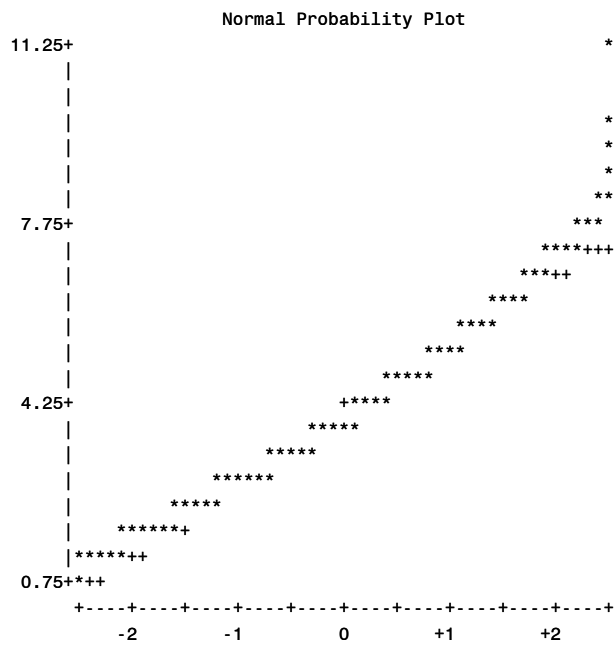Variable: B1TKFBMI (Trunk fat BMI (kg/m2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.592328	PO7130	4596	9.83241	PI4698	3167
0.609691	SD8163	5144	9.84842	BI0732	724
0.707359	MN1951	1419	9.87160	BI0753	745
0.713472	BI0744	736	11.04547	PI5139	3608
0.729056	SD8490	5466	11.34118	PA3080	2054

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	41	0.68	100.00

```
                         Histogram               #  Boxplot
    11.25+*                                       2     *
         .
         .
         .*                                       4     0
         .*                                       6     0
         .*                                      12     0
         .**                                     23     0
     7.75+***                                    40     0
         .****                                   71     |
         .*******                               132     |
         .************                          210     |
         .****************                      310     |
         .***************************           534     |
         .*********************************     666  +-----+
     4.25+*******************************************     830  |  +  |
         .*************************************************     906  *-----*
         .*********************************************     847  +-----+
         .**********************************     636     |
         .********************                  391     |
         .************                          226     |
         .*****                                  91     |
     0.75+*                                      16     |
         ----+----+----+----+----+----+----+----+---
         * may represent up to 19 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1TKFBMI (Trunk fat BMI (kg/m2))

```
                        Normal Probability Plot
    11.25+                                            *
        |
        |
        |                                           *
        |                                           *
        |                                           *
        |                                          **
    7.75+                                       ***
        |                                     ****+++
        |                                   ***++
        |                                 ****
        |                              ****
        |                            ****
        |                         *****
    4.25+                      +****
        |                    *****
        |                  *****
        |              ******
        |            *****
        |       ******+
        |*****++
    0.75+*+++
        +----+----+----+----+----+----+----+----+----+----+
            -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1OTHLBMI (Non-ASM lean BMI (kg/m2))

Moments			
N	5953	Sum Weights	5953
Mean	10.7571289	Sum Observations	64037.1886
Std Deviation	1.08314407	Variance	1.17320108
Skewness	0.50432204	Kurtosis	0.65648608
Uncorrected SS	695839.187	Corrected SS	6982.89282
Coeff Variation	10.0690814	Std Error Mean	0.01403842

Basic Statistical Measures			
Location		Variability	
Mean	10.75713	Std Deviation	1.08314
Median	10.68788	Variance	1.17320
Mode	.	Range	10.15012
		Interquartile Range	1.37467

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	766.2634	Pr > |t|	<.0001
Sign	M	2976.5	Pr >= |M|	<.0001
Signed Rank	S	8861041	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	17.36906
99%	13.76534
95%	12.68121
90%	12.17488
75% Q3	11.39112
50% Median	10.68788
25% Q1	10.01645
10%	9.44495
5%	9.11440
1%	8.53563
0% Min	7.21895

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
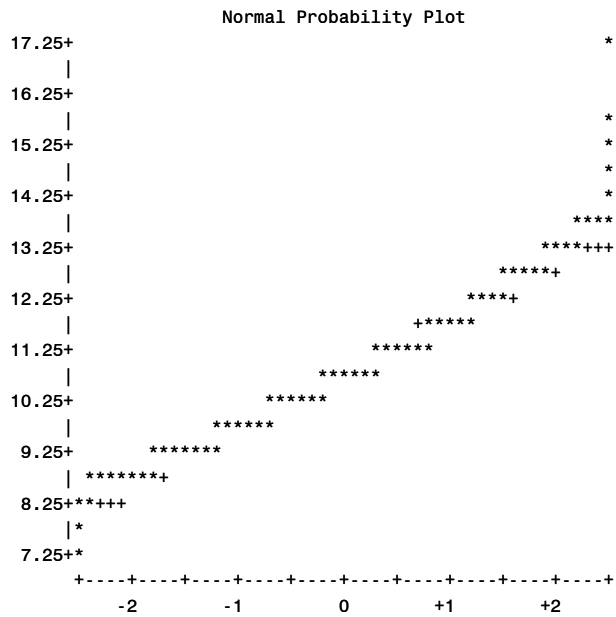Variable: B1OTHLBMI (Non-ASM lean BMI (kg/m2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
7.21895	SD9010	5986	15.0531	MN1631	1100
7.53847	SD8656	5632	15.1006	MN1737	1205
7.82330	PO6768	4237	15.1630	MN2223	1691
7.92739	MN1951	1419	15.6437	PA3907	2877
7.93355	SD8409	5386	17.3691	PI5139	3608

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	41	0.68	100.00

```
                       Histogram                         #  Boxplot
     17.25+*                                             1      *
          .
     16.25+
          .*                                             1      *
     15.25+*                                             5      0
          .*                                             3      0
     14.25+*                                            22      0
          .***                                          58      0
     13.25+****                                        100      0
          .********                                    205      |
     12.25+**************                              342      |
          .**********************                      572      |
     11.25+*************************************       949   +-----+
          .****************************************** 1161   *--+--*
     10.25+**************************************     1082   +-----+
          .*****************************             791      |
      9.25+******************                        438      |
          .*******                                   175      |
      8.25+**                                         41      |
          .*                                           6      0
      7.25+*                                           1      0
          ----+----+----+----+----+----+----+----+--
          * may represent up to 25 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1OTHLBMI (Non-ASM lean BMI (kg/m2))

```
                          Normal Probability Plot
    17.25+                                          *
         |
    16.25+
         |                                             *
    15.25+                                             *
         |                                             *
    14.25+                                          ****
         |                                       ****+++
    13.25+                                   *****+
         |                               ****+
    12.25+                           +*****
         |                       ******
    11.25+                     ******
         |                 ******
    10.25+             ******
         |          ******
     9.25+      *******
         | *******+
     8.25+**+++
         |*
     7.25+*
         +----+----+----+----+----+----+----+----+----+----+
             -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1OTHFBMI (Non-Trunk fat BMI (kg/m2))

Moments			
N	5953	Sum Weights	5953
Mean	3.12824681	Sum Observations	18622.4533
Std Deviation	1.01909855	Variance	1.03856185
Skewness	1.12377928	Kurtosis	2.73637702
Uncorrected SS	64437.1501	Corrected SS	6181.52012
Coeff Variation	32.5773063	Std Error Mean	0.01320834

Basic Statistical Measures			
Location		Variability	
Mean	3.128247	Std Deviation	1.01910
Median	2.979565	Variance	1.03856
Mode	.	Range	9.82841
		Interquartile Range	1.23399

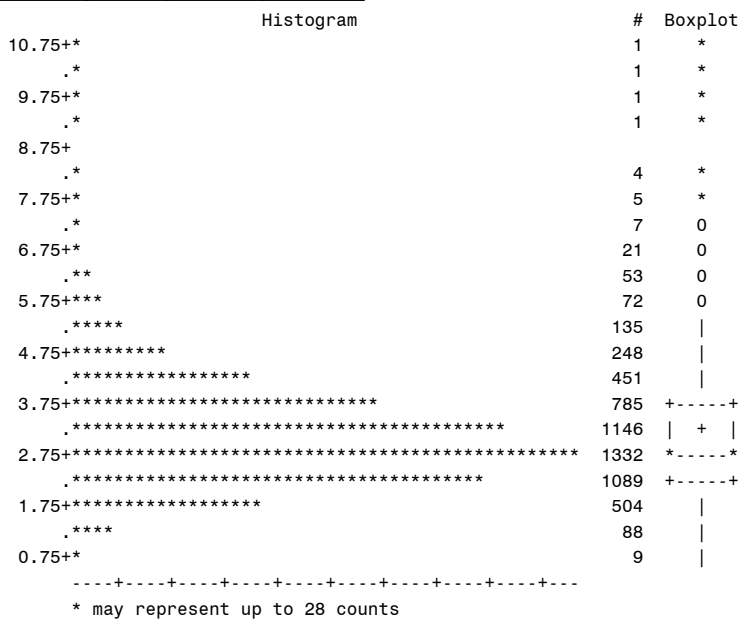| Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	236.8388	Pr > |t|	<.0001
Sign	M	2976.5	Pr >= |M|	<.0001
Signed Rank	S	8861041	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	10.505066
99%	6.299163
95%	5.004528
90%	4.436960
75% Q3	3.660143
50% Median	2.979565
25% Q1	2.426148
10%	1.997563
5%	1.764237
1%	1.376833
0% Min	0.676656

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
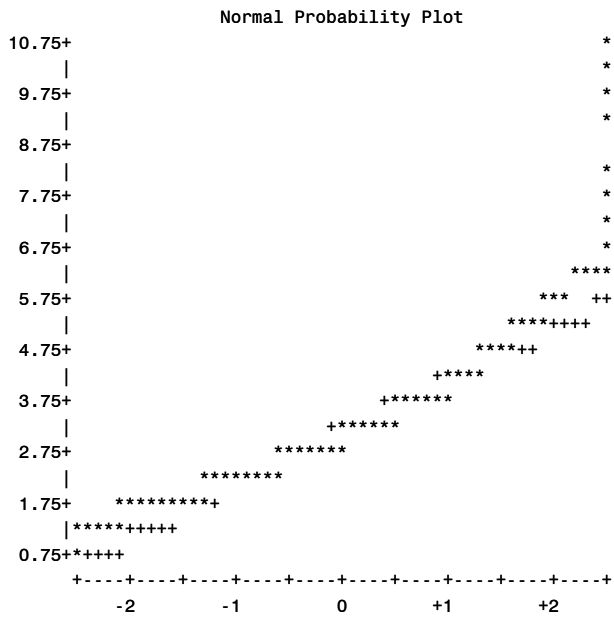Variable: B1OTHFBMI (Non-Trunk fat BMI (kg/m2))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
0.676656	SD8163	5144	8.45104	MN2062	1530
0.776262	MN2458	1926	9.27587	BI0753	745
0.813195	PO7130	4596	9.80172	MN2454	1922
0.900973	PA3747	2718	10.40594	PI5113	3582
0.911183	SD8490	5466	10.50507	PI5082	3551

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
A	41	0.68	100.00

```
                    Histogram                          #  Boxplot
    10.75+*                                             1     *
         .*                                             1     *
     9.75+*                                             1     *
         .*                                             1     *
     8.75+                                                    
         .*                                             4     *
     7.75+*                                             5     *
         .*                                             7     0
     6.75+*                                            21     0
         .**                                           53     0
     5.75+***                                          72     0
         .*****                                       135     |
     4.75+*********                                   248     |
         .****************                            451     |
     3.75+***************************                 785  +-----+
         .*****************************************  1146  |  +  |
     2.75+**************************************************  1332  *-----*
         .*************************************     1089  +-----+
     1.75+******************                         504     |
         .****                                        88     |
     0.75+*                                            9     |
         ----+----+----+----+----+----+----+----+---
        * may represent up to 28 counts
```

The UNIVARIATE Procedure
Variable: B1OTHFBMI (Non-Trunk fat BMI (kg/m2))

```
                        Normal Probability Plot
   10.75+                                            *
       |                                             *
    9.75+                                            *
       |                                             *
    8.75+
       |                                             *
    7.75+                                            *
       |                                             *
    6.75+                                            *
       |                                         ****
    5.75+                                  ***  ++
       |                                 ****++++
    4.75+                             *****++
       |                          +****
    3.75+                       +******
       |                    +******
    2.75+                *******
       |             ********
    1.75+      *********+
       |*****+++++
    0.75+*+++++
       +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1FNT (Corrected Fem Neck BMD T-score (Looker 1998))

Moments			
N	5993	Sum Weights	5993
Mean	-0.6151024	Sum Observations	-3686.3089
Std Deviation	1.06766751	Variance	1.13991392
Skewness	0.56882356	Kurtosis	1.05012631
Uncorrected SS	9097.82176	Corrected SS	6830.36419
Coeff Variation	-173.57556	Std Error Mean	0.01379158

Basic Statistical Measures			
Location		Variability	
Mean	-0.61510	Std Deviation	1.06767
Median	-0.70374	Variance	1.13991
Mode	.	Range	11.04684
		Interquartile Range	1.36587

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	-44.5999	Pr > |t|	<.0001
Sign	M	-1470.5	Pr >= |M|	<.0001
Signed Rank	S	-5442833	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	6.1695830
99%	2.3546958
95%	1.2488512
90%	0.7627112
75% Q3	0.0177991
50% Median	-0.7037391
25% Q1	-1.3480721
10%	-1.8977651
5%	-2.2172657
1%	-2.7408748
0% Min	-4.8772568

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1FNT (Corrected Fem Neck BMD T-score (Looker 1998))

Extreme Observations					
Lowest			Highest		
Value	ID	Obs	Value	ID	Obs
-4.87726	PO6873	4342	4.08001	PO6890	4359
-4.24767	PO7047	4516	4.36409	SD8841	5817
-4.17884	SD8108	5089	5.07423	PO6848	4317
-3.78388	PI4554	3023	5.27264	MN1940	1408
-3.48201	PO6661	4132	6.16958	PI5117	3586

Missing Values			
		Percent Of	
Missing Value	Count	All Obs	Missing Obs
N	1	0.02	100.00

```
                       Histogram                     #  Boxplot
    6.25+*                                            1     *
        .
        .*                                            2     *
        .
        .*                                            2     0
        .*                                            8     0
        .*                                            8     0
        .*                                           15     0
        .***                                         64     0
        .*****                                      108     |
        .*********                                  215     |
    0.75+******************                         450     |
        .**************************                 653  +-----+
        .*************************************     1001  |     |
        .*************************************** 1171  *--+--*
        .*************************************    1089  +-----+
        .***************************             723     |
        .**************                          342     |
        .*****                                   122     |
        .*                                        15     0
        .*                                         1     0
        .*                                         2     0
   -4.75+*                                          1     0
        ----+----+----+----+----+----+----+----+--
        * may represent up to 25 counts
```

MROS Study: B1AUG16
Data Univariates

The UNIVARIATE Procedure
Variable: B1FNT (Corrected Fem Neck BMD T-score (Looker 1998))

```
                       Normal Probability Plot
    6.25+                                        *
        |
        |                                      *
        |
        |                                    *
        |                                    *
        |                                    *
        |                                    *
        |                                  *****
        |                               ****+++
        |                             ****+
    0.75+                          *****
        |                       +*****
        |                     ******
        |                  ******
        |               ******
        |             *******
        |          *******+
        |******++
        |*++
        |*
        |*
   -4.75+*
        +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```