The SAS System

FERTILISER=0

Obs	PROTEIN_YIELD
1	0.03938
2	0.06860
3	0.02643
4	0.06810
5	0.07548
6	0.01696
7	0.01151
8	0.10036
9	0.08607
10	0.14781
11	0.12592
12	0.10402
13	0.09892
14	0.17802
15	0.12479
16	0.05720
17	0.05795
18	0.14180
19	0.10602
20	0.05048
21	0.04489
22	0.20585
23	0.11093
24	0.04815
25	0.03945
26	0.08598
27	0.07189
28	0.05851
29	0.06020
30	0.09479
31	0.09407

32	0.05532
33	0.07372
34	0.03357
35	0.04113
36	0.03330
37	0.07432
38	0.02051
39	0.04182
FERTILISER	**2.97424**

FERTILISER=64

Obs	PROTEIN_YIELD
40	0.05879
41	0.07062
42	0.05851
43	0.03830
44	0.05750
45	0.06962
46	0.05180
47	0.03679
48	0.15138
49	0.11112
50	0.17195
51	0.12158
52	0.14114
53	0.12836
54	0.17328
55	0.11213
56	0.12985
57	0.08102
58	0.16414
59	0.12655
60	0.08876
61	0.08355
62	0.13436

63	0.09824
64	0.08666
65	0.07364
66	0.12054
67	0.08210
68	0.07541
69	0.06412
70	0.07482
71	0.07401
72	0.07907
73	0.09038
74	0.06193
75	0.05948
76	0.05361
77	0.08199
78	0.06533
79	0.05949
FERTILISER	**3.66193**

FERTILISER=100

Obs	PROTEIN_YIELD
80	0.05733
81	0.05445
82	0.13489
83	0.13866
84	0.12416
85	0.09652
86	0.09904
87	0.08308
88	0.05474
89	0.07932
FERTILISER	**0.92219**
	7.55837

The SAS System

FERTILISER=0

Obs	PROTEIN_YIELD
1	0.03938
2	0.06860
3	0.02643
4	0.06810
5	0.07548
6	0.01696
7	0.01151
8	0.10036
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86	0.09904
87	0.08308
88	0.05474
89	0.07932
FERTILISER	**0.92219**
	7.55837

Protein Yield of each fertilisers

FERTILISER=0

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1	0.03938
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24	0.04815
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77	0.08199
78	0.06533
79	0.05949
FERTILISER	**3.66193**

FERTILISER=100

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80	0.05733
81	0.05445
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83	0.13866
84	0.12416
85	0.09652
86	0.09904
87	0.08308
88	0.05474
89	0.07932
FERTILISER	**0.92219**
	7.55837

The UNIVARIATE Procedure
Variable: AGE

Moments			
N	7288	Sum Weights	7288
Mean	22.4173338	Sum Observations	163377.529
Std Deviation	9.40501778	Variance	88.4543594
Skewness	0.87970087	Kurtosis	0.94503535
Uncorrected SS	4307055.52	Corrected SS	644566.917
Coeff Variation	41.9542211	Std Error Mean	0.11016799

Basic Statistical Measures			
Location		Variability	
Mean	22.41733	Std Deviation	9.40502
Median	20.94658	Variance	88.45436
Mode	13.53973	Range	58.72329
		Interquartile Range	13.29178

Note: The mode displayed is the smallest of 4 modes with a count of 6.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	203.4832	Pr > |t|	<.0001
Sign	M	3644	Pr >= |M|	<.0001
Signed Rank	S	13280558	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	63.79452
99%	48.83288
95%	39.87671
90%	35.19178
75% Q3	28.41918
50% Median	20.94658
25% Q1	15.12740
10%	11.76164

5%	10.01370
1%	7.47123
0% Min	5.07123

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
5.07123	7278	63.2411	3415
5.27397	6973	63.4712	3416
5.42466	6993	63.6247	3417
5.54247	6974	63.6466	3418
5.57808	7011	63.7945	3419

The UNIVARIATE Procedure
Variable: BMI

Moments			
N	7288	Sum Weights	7288
Mean	21.208503	Sum Observations	154567.57
Std Deviation	23.9779226	Variance	574.940773
Skewness	60.2934498	Kurtosis	3794.92531
Uncorrected SS	7467740.19	Corrected SS	4189593.42
Coeff Variation	113.058063	Std Error Mean	0.28087131

Basic Statistical Measures			
Location		Variability	
Mean	21.20850	Std Deviation	23.97792
Median	20.49000	Variance	574.94077
Mode	20.30000	Range	1642
		Interquartile Range	4.41000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	75.50968	Pr > |t|	<.0001
Sign	M	3644	Pr >= |M|	<.0001
Signed Rank	S	13280558	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1654.38
99%	32.10
95%	27.10
90%	25.40
75% Q3	22.71
50% Median	20.49
25% Q1	18.30
10%	16.58
5%	15.85
1%	14.80

0% Min	12.20

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
12.20	6472	45.50	1257
12.70	4379	63.20	696
12.70	4378	99.90	1616
12.80	4382	1214.34	1042
13.06	3430	1654.38	3937

The UNIVARIATE Procedure
Variable: FEV

Moments			
N	7288	Sum Weights	7288
Mean	68.7238296	Sum Observations	500859.27
Std Deviation	26.2083653	Variance	686.878413
Skewness	1.00865886	Kurtosis	19.1335034
Uncorrected SS	39426250.1	Corrected SS	5005282.99
Coeff Variation	38.1357754	Std Error Mean	0.30699815

Basic Statistical Measures			
Location		Variability	
Mean	68.72383	Std Deviation	26.20837
Median	70.00000	Variance	686.87841
Mode	74.00000	Range	576.57000
		Interquartile Range	40.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	223.8575	Pr > |t|	<.0001
Sign	M	3644	Pr >= |M|	<.0001
Signed Rank	S	13280558	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	581.00
99%	122.00
95%	108.00
90%	101.00
75% Q3	89.00
50% Median	70.00
25% Q1	49.00
10%	33.00
5%	27.00
1%	18.00

0% Min	4.43

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
4.43	7099	157	1777
10.00	7124	158	1775
11.00	5901	165	1773
11.78	3806	165	1776
13.00	5254	581	6191

The UNIVARIATE Procedure
Variable: AGE

Moments			
N	7288	Sum Weights	7288
Mean	22.4173338	Sum Observations	163377.529
Std Deviation	9.40501778	Variance	88.4543594
Skewness	0.87970087	Kurtosis	0.94503535
Uncorrected SS	4307055.52	Corrected SS	644566.917
Coeff Variation	41.9542211	Std Error Mean	0.11016799

Basic Statistical Measures			
Location		Variability	
Mean	22.41733	Std Deviation	9.40502
Median	20.94658	Variance	88.45436
Mode	13.53973	Range	58.72329
		Interquartile Range	13.29178

Note: The mode displayed is the smallest of 4 modes with a count of 6.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	203.4832	Pr > |t|	<.0001
Sign	M	3644	Pr >= |M|	<.0001
Signed Rank	S	13280558	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	63.79452
99%	48.83288
95%	39.87671
90%	35.19178
75% Q3	28.41918
50% Median	20.94658
25% Q1	15.12740
10%	11.76164

5%	10.01370
1%	7.47123
0% Min	5.07123

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
5.07123	7278	63.2411	3415
5.27397	6973	63.4712	3416
5.42466	6993	63.6247	3417
5.54247	6974	63.6466	3418
5.57808	7011	63.7945	3419

The UNIVARIATE Procedure
Variable: BMI

Moments			
N	7288	Sum Weights	7288
Mean	21.208503	Sum Observations	154567.57
Std Deviation	23.9779226	Variance	574.940773
Skewness	60.2934498	Kurtosis	3794.92531
Uncorrected SS	7467740.19	Corrected SS	4189593.42
Coeff Variation	113.058063	Std Error Mean	0.28087131

Basic Statistical Measures			
Location		Variability	
Mean	21.20850	Std Deviation	23.97792
Median	20.49000	Variance	574.94077
Mode	20.30000	Range	1642
		Interquartile Range	4.41000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	75.50968	Pr > |t|	<.0001
Sign	M	3644	Pr >= |M|	<.0001
Signed Rank	S	13280558	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1654.38
99%	32.10
95%	27.10
90%	25.40
75% Q3	22.71
50% Median	20.49
25% Q1	18.30
10%	16.58
5%	15.85
1%	14.80

0% Min	12.20

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
12.20	6472	45.50	1257
12.70	4379	63.20	696
12.70	4378	99.90	1616
12.80	4382	1214.34	1042
13.06	3430	1654.38	3937

The UNIVARIATE Procedure
Variable: FEV

Moments			
N	7288	Sum Weights	7288
Mean	68.7238296	Sum Observations	500859.27
Std Deviation	26.2083653	Variance	686.878413
Skewness	1.00865886	Kurtosis	19.1335034
Uncorrected SS	39426250.1	Corrected SS	5005282.99
Coeff Variation	38.1357754	Std Error Mean	0.30699815

Basic Statistical Measures			
Location		Variability	
Mean	68.72383	Std Deviation	26.20837
Median	70.00000	Variance	686.87841
Mode	74.00000	Range	576.57000
		Interquartile Range	40.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	223.8575	Pr > |t|	<.0001
Sign	M	3644	Pr >= |M|	<.0001
Signed Rank	S	13280558	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	581.00
99%	122.00
95%	108.00
90%	101.00
75% Q3	89.00
50% Median	70.00
25% Q1	49.00
10%	33.00
5%	27.00
1%	18.00

0% Min	4.43

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
4.43	7099	157	1777
10.00	7124	158	1775
11.00	5901	165	1773
11.78	3806	165	1776
13.00	5254	581	6191

The UNIVARIATE Procedure
Variable: AGE

Moments			
N	7285	Sum Weights	7285
Mean	22.4209769	Sum Observations	163336.816
Std Deviation	9.40523679	Variance	88.4584791
Skewness	0.87918438	Kurtosis	0.94460334
Uncorrected SS	4306502.54	Corrected SS	644331.562
Coeff Variation	41.948381	Std Error Mean	0.11019324

Basic Statistical Measures			
Location		Variability	
Mean	22.42098	Std Deviation	9.40524
Median	20.95068	Variance	88.45848
Mode	13.53973	Range	58.72329
		Interquartile Range	13.29041

Note: The mode displayed is the smallest of 4 modes with a count of 6.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	203.4696	Pr > |t|	<.0001
Sign	M	3642.5	Pr >= |M|	<.0001
Signed Rank	S	13269628	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	63.79452
99%	48.83288
95%	39.87671
90%	35.19178
75% Q3	28.42192
50% Median	20.95068
25% Q1	15.13151
10%	11.76164

5%	10.01370
1%	7.47123
0% Min	5.07123

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
5.07123	7275	63.2411	3414
5.27397	6970	63.4712	3415
5.42466	6990	63.6247	3416
5.54247	6971	63.6466	3417
5.57808	7008	63.7945	3418

The UNIVARIATE Procedure
Variable: BMI

Moments			
N	7285	Sum Weights	7285
Mean	20.8208099	Sum Observations	151679.6
Std Deviation	3.66204641	Variance	13.4105839
Skewness	2.30171322	Kurtosis	32.9055887
Uncorrected SS	3255774.81	Corrected SS	97682.6932
Coeff Variation	17.5883956	Std Error Mean	0.04290511

Basic Statistical Measures			
Location		Variability	
Mean	20.82081	Std Deviation	3.66205
Median	20.49000	Variance	13.41058
Mode	20.30000	Range	87.70000
		Interquartile Range	4.41000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	485.2757	Pr > |t|	<.0001
Sign	M	3642.5	Pr >= |M|	<.0001
Signed Rank	S	13269628	Pr >= |S|	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	99.90
99%	32.08
95%	27.04
90%	25.40
75% Q3	22.71
50% Median	20.49
25% Q1	18.30
10%	16.58
5%	15.85
1%	14.80

0% Min	12.20

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
12.20	6469	35.17	1529
12.70	4377	36.95	3409
12.70	4376	45.50	1256
12.80	4380	63.20	696
13.06	3429	99.90	1615

The UNIVARIATE Procedure
Variable: FEV

Moments			
N	7285	**Sum Weights**	7285
Mean	68.6438257	**Sum Observations**	500070.27
Std Deviation	25.5103609	**Variance**	650.778511
Skewness	-0.0091862	**Kurtosis**	-0.6766326
Uncorrected SS	39067007.1	**Corrected SS**	4740270.67
Coeff Variation	37.1633728	**Std Error Mean**	0.29888342

Basic Statistical Measures			
Location		**Variability**	
Mean	68.64383	**Std Deviation**	25.51036
Median	70.00000	**Variance**	650.77851
Mode	74.00000	**Range**	160.57000
		Interquartile Range	40.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	229.6676	**Pr > |t|**	<.0001
Sign	**M**	3642.5	**Pr >= |M|**	<.0001
Signed Rank	**S**	13269628	**Pr >= |S|**	<.0001

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	165.00
99%	122.00
95%	108.00
90%	101.00
75% Q3	89.00
50% Median	70.00
25% Q1	49.00
10%	33.00
5%	27.00
1%	18.00

0% Min	4.43

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
4.43	7096	150	1768
10.00	7121	157	1776
11.00	5899	158	1774
11.78	3805	165	1772
13.00	5252	165	1775

The UNIVARIATE Procedure
Variable: AGE

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
5.07123	7275	63.2411	3414
5.27397	6970	63.4712	3415
5.42466	6990	63.6247	3416
5.54247	6971	63.6466	3417
5.57808	7008	63.7945	3418

The UNIVARIATE Procedure
Variable: BMI

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
12.20	6469	35.17	1529
12.70	4377	36.95	3409
12.70	4376	45.50	1256
12.80	4380	63.20	696
13.06	3429	99.90	1615

The UNIVARIATE Procedure
Variable: FEV

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
4.43	7096	150	1768
10.00	7121	157	1776
11.00	5899	158	1774
11.78	3805	165	1772
13.00	5252	165	1775

The UNIVARIATE Procedure
Variable: AGE

Moments			
N	7285	**Sum Weights**	7285
Mean	22.4209769	**Sum Observations**	163336.816
Std Deviation	9.40523679	**Variance**	88.4584791
Skewness	0.87918438	**Kurtosis**	0.94460334
Uncorrected SS	4306502.54	**Corrected SS**	644331.562
Coeff Variation	41.948381	**Std Error Mean**	0.11019324

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
5.07123	7275	63.2411	3414
5.27397	6970	63.4712	3415
5.42466	6990	63.6247	3416
5.54247	6971	63.6466	3417
5.57808	7008	63.7945	3418

The UNIVARIATE Procedure
Variable: BMI

Moments			
N	7285	**Sum Weights**	7285
Mean	20.8208099	**Sum Observations**	151679.6
Std Deviation	3.66204641	**Variance**	13.4105839
Skewness	2.30171322	**Kurtosis**	32.9055887
Uncorrected SS	3255774.81	**Corrected SS**	97682.6932
Coeff Variation	17.5883956	**Std Error Mean**	0.04290511

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
12.20	6469	35.17	1529
12.70	4377	36.95	3409
12.70	4376	45.50	1256
12.80	4380	63.20	696
13.06	3429	99.90	1615

The UNIVARIATE Procedure
Variable: FEV

Moments			
N	7285	**Sum Weights**	7285
Mean	68.6438257	**Sum Observations**	500070.27
Std Deviation	25.5103609	**Variance**	650.778511
Skewness	-0.0091862	**Kurtosis**	-0.6766326
Uncorrected SS	39067007.1	**Corrected SS**	4740270.67
Coeff Variation	37.1633728	**Std Error Mean**	0.29888342

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
4.43	7096	150	1768
10.00	7121	157	1776
11.00	5899	158	1774
11.78	3805	165	1772
13.00	5252	165	1775

The CORR Procedure

3 Variables:	AGE BMI FEV

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
AGE	7285	22.42098	9.40524	163337	5.07123	63.79452
BMI	7285	20.82081	3.66205	151680	12.20000	99.90000
FEV	7285	68.64383	25.51036	500070	4.43000	165.00000

Pearson Correlation Coefficients, N = 7285

Prob > |r| under H0: Rho=0

	AGE	BMI	FEV
AGE	1.00000	0.43860 <.0001	-0.33714 <.0001
BMI	0.43860 <.0001	1.00000	0.05135 <.0001
FEV	-0.33714 <.0001	0.05135 <.0001	1.00000

The CORR Procedure

Pearson Partial Correlation Coefficients, N = 7285 Prob > |r| under H0: Partial Rho=0		
	BMI	FEV
BMI	1.00000	0.23547 <.0001
FEV	0.23547 <.0001	1.00000

The CORR Procedure

3 Variables:	AGE BMI FEV

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
AGE	7285	22.42098	9.40524	163337	5.07123	63.79452
BMI	7285	20.82081	3.66205	151680	12.20000	99.90000
FEV	7285	68.64383	25.51036	500070	4.43000	165.00000

Pearson Correlation Coefficients, N = 7285

Prob > |r| under H0: Rho=0

	AGE	BMI	FEV
AGE	1.00000	0.43860 <.0001	-0.33714 <.0001
BMI	0.43860 <.0001	1.00000	0.05135 <.0001
FEV	-0.33714 <.0001	0.05135 <.0001	1.00000

The CORR Procedure

3 Variables:	avg_AGE avg_BMI avg_FEV

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
avg_AGE	589	23.36214	9.57835	13760	6.20335	62.57765
avg_BMI	589	20.94219	3.36889	12335	13.06400	33.33500
avg_FEV	589	68.41724	24.58641	40298	15.00000	150.85714

Pearson Correlation Coefficients, N = 589

Prob > |r| under H0: Rho=0

	avg_AGE	avg_BMI	avg_FEV
avg_AGE	1.00000	0.48185 <.0001	-0.38027 <.0001
avg_BMI	0.48185 <.0001	1.00000	0.05972 0.1477
avg_FEV	-0.38027 <.0001	0.05972 0.1477	1.00000

The CORR Procedure

3 Variables:	avg_AGE avg_BMI avg_FEV

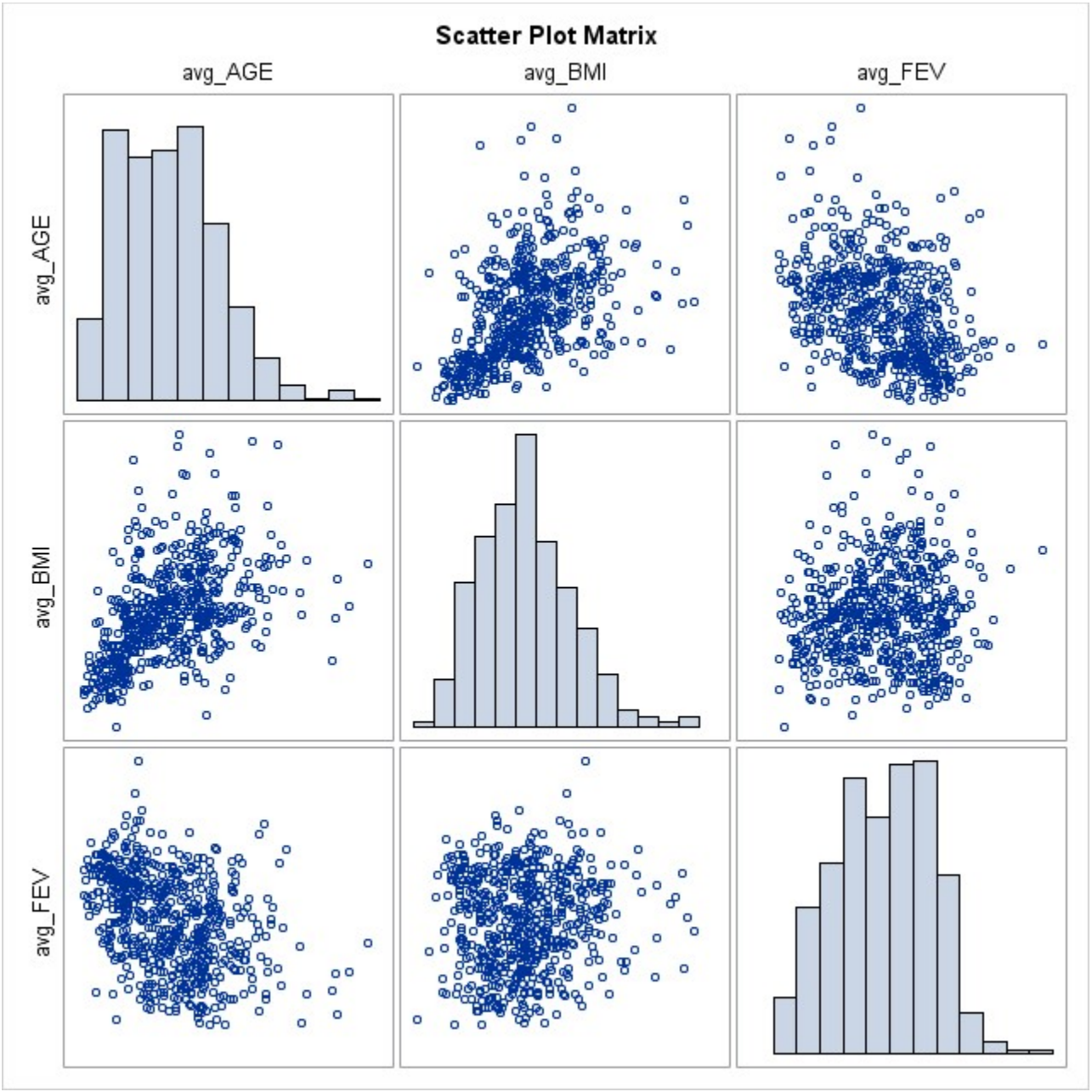
Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
avg_AGE	589	23.36214	9.57835	13760	6.20335	62.57765
avg_BMI	589	20.94219	3.36889	12335	13.06400	33.33500
avg_FEV	589	68.41724	24.58641	40298	15.00000	150.85714

Pearson Correlation Coefficients, N = 589

Prob > |r| under H0: Rho=0

	avg_AGE	avg_BMI	avg_FEV
avg_AGE	1.00000	0.48185 <.0001	-0.38027 <.0001
avg_BMI	0.48185 <.0001	1.00000	0.05972 0.1477
avg_FEV	-0.38027 <.0001	0.05972 0.1477	1.00000


Scatter Plot Matrix
avg_AGE
avg_BMI
avg_FEV
avg_AGE
avg_BMI
avg_FEV

The CORR Procedure

1 Partial Variables:	avg_AGE
2 Variables:	avg_BMI avg_FEV

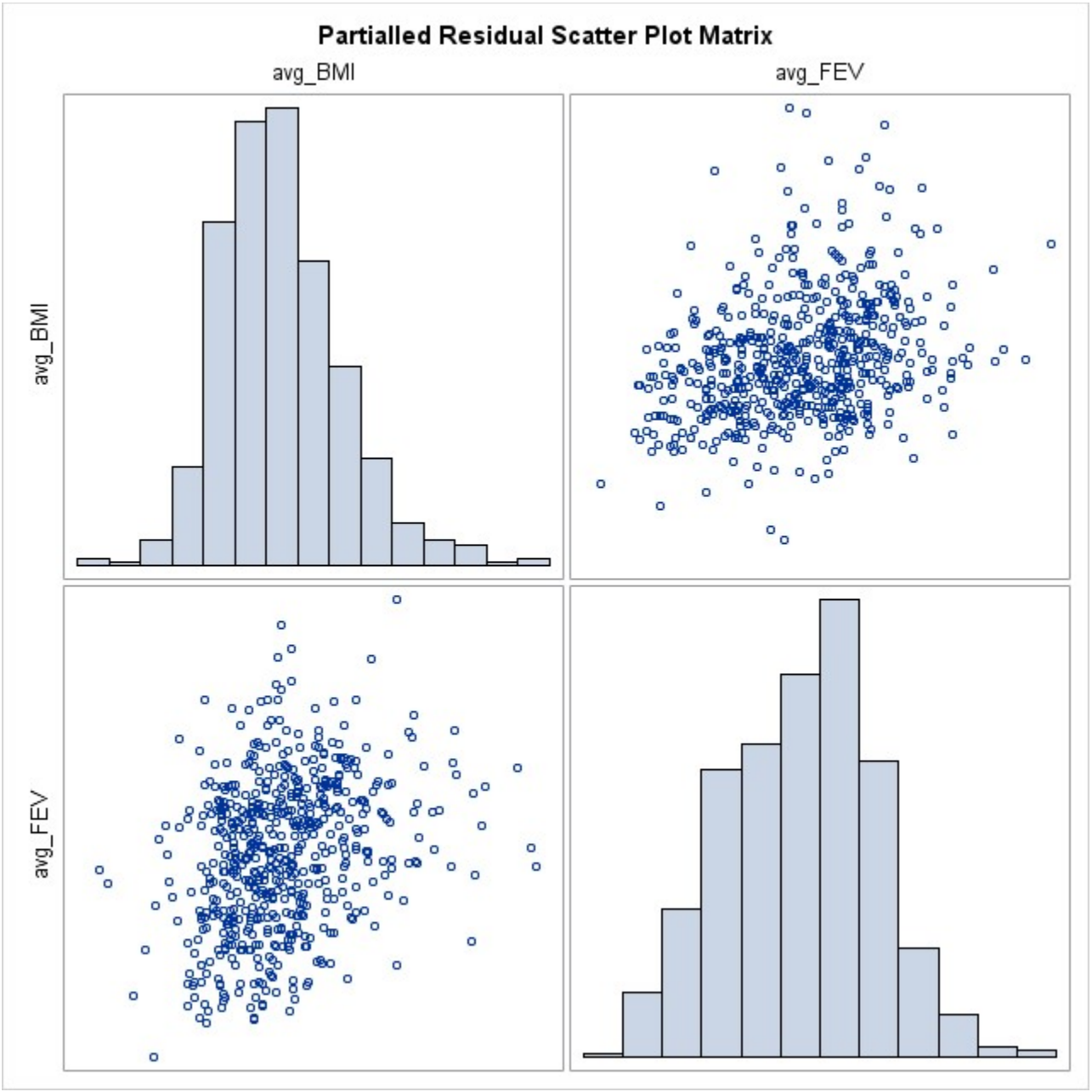
Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Partial Variance	Partial Std Dev
avg_AGE	589	23.36214	9.57835	13760	6.20335	62.57765		
avg_BMI	589	20.94219	3.36889	12335	13.06400	33.33500	8.72914	2.95451
avg_FEV	589	68.41724	24.58641	40298	15.00000	150.85714	517.95880	22.75871

Pearson Partial Correlation Coefficients, N = 589

Prob > |r| under H0: Partial Rho=0

	avg_BMI	avg_FEV
avg_BMI	1.00000	0.29979 <.0001
avg_FEV	0.29979 <.0001	1.00000


Partialled Residual Scatter Plot Matrix
avg_BMI
avg_FEV
avg_BMI
avg_FEV

The GLM Procedure

Number of Observations Read	7285
Number of Observations Used	7285

The GLM Procedure

Dependent Variable: FEV

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	771743.237	385871.619	708.05	<.0001
Error	7282	3968527.436	544.978		
Corrected Total	7284	4740270.673			

R-Square	Coeff Var	Root MSE	FEV Mean
0.162806	34.00853	23.34476	68.64383

Source	DF	Type I SS	Mean Square	F Value	Pr > F
AGE	1	538787.8896	538787.8896	988.64	<.0001
BMI	1	232955.3478	232955.3478	427.46	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
AGE	1	759242.0433	759242.0433	1393.16	<.0001
BMI	1	232955.3478	232955.3478	427.46	<.0001

Parameter	Estimate	Standard Error	t Value	Pr > |t|
Intercept	59.94776481	1.57939307	37.96	<.0001
AGE	-1.20789665	0.03236153	-37.33	<.0001
BMI	1.71839059	0.08311414	20.68	<.0001

The GLM Procedure

Number of Observations Read	7285
Number of Observations Used	7285

The GLM Procedure

Dependent Variable: FEV

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	771743.237	385871.619	708.05	<.0001
Error	7282	3968527.436	544.978		
Corrected Total	7284	4740270.673			

R-Square	Coeff Var	Root MSE	FEV Mean
0.162806	34.00853	23.34476	68.64383

Source	DF	Type I SS	Mean Square	F Value	Pr > F
AGE	1	538787.8896	538787.8896	988.64	<.0001
BMI	1	232955.3478	232955.3478	427.46	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
AGE	1	759242.0433	759242.0433	1393.16	<.0001
BMI	1	232955.3478	232955.3478	427.46	<.0001

Parameter	Estimate	Standard Error	t Value	Pr > |t|
Intercept	59.94776481	1.57939307	37.96	<.0001
AGE	-1.20789665	0.03236153	-37.33	<.0001
BMI	1.71839059	0.08311414	20.68	<.0001

The GLM Procedure

Number of Observations Read	7285
Number of Observations Used	7285

The GLM Procedure

Dependent Variable: FEV

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	771743.237	385871.619	708.05	<.0001
Error	7282	3968527.436	544.978		
Corrected Total	7284	4740270.673			

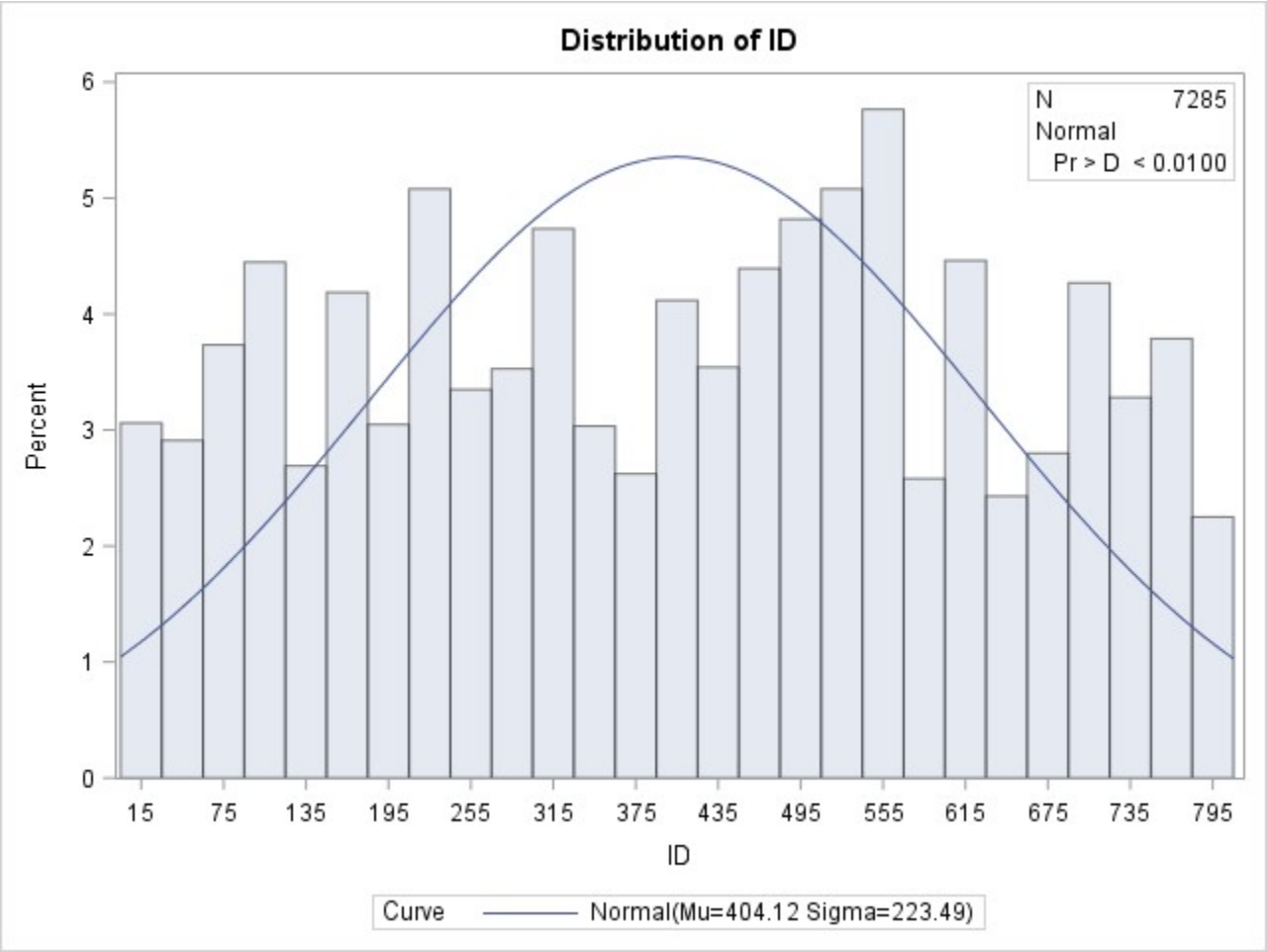
R-Square	Coeff Var	Root MSE	FEV Mean
0.162806	34.00853	23.34476	68.64383

Source	DF	Type I SS	Mean Square	F Value	Pr > F
AGE	1	538787.8896	538787.8896	988.64	<.0001
BMI	1	232955.3478	232955.3478	427.46	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
AGE	1	759242.0433	759242.0433	1393.16	<.0001
BMI	1	232955.3478	232955.3478	427.46	<.0001

Parameter	Estimate	Standard Error	t Value	Pr > |t|
Intercept	59.94776481	1.57939307	37.96	<.0001
AGE	-1.20789665	0.03236153	-37.33	<.0001
BMI	1.71839059	0.08311414	20.68	<.0001

The UNIVARIATE Procedure



The UNIVARIATE Procedure
Fitted Normal Distribution for ID

Parameters for Normal Distribution		
Parameter	**Symbol**	**Estimate**
Mean	Mu	404.1224
Std Dev	Sigma	223.4859

Goodness-of-Fit Tests for Normal Distribution				
Test	**Statistic**		**p Value**	
Kolmogorov-Smirnov	**D**	0.0615588	**Pr > D**	<0.010
Cramer-von Mises	**W-Sq**	10.0453836	**Pr > W-Sq**	<0.005
Anderson-Darling	**A-Sq**	70.7802925	**Pr > A-Sq**	<0.005

Quantiles for Normal Distribution		
	Quantile	
Percent	**Observed**	**Estimated**
1.0	15.0000	-115.7835
5.0	49.0000	36.5208
10.0	92.0000	117.7137
25.0	218.0000	253.3835
50.0	413.0000	404.1224
75.0	582.0000	554.8614
90.0	712.0000	690.5312
95.0	754.0000	771.7241
99.0	793.0000	924.0284

The UNIVARIATE Procedure