

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The FREQ Procedure

SEX	Frequency	Percent	Cumulative Frequency	Cumulative Percent
F	8983	54.63	8983	54.63
M	7461	45.37	16444	100.00

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The FREQ Procedure

MAJOR1_DEPT	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Aerospace Engineering	4	0.05	4	0.05
American Culture Program	16	0.20	20	0.25
Anthropology Department	143	1.76	163	2.01
Asian Languages And Cultures	34	0.42	197	2.43
Atm, Oceanic And Space Science	10	0.12	207	2.55
Biology Department	188	2.32	395	4.87
Biomedical Engineering	14	0.17	409	5.04
Biophysics Research Division	2	0.02	411	5.07
Center for Middle Eastern & North African Stud	4	0.05	415	5.12
Center for Russian, E. European & Eurasian Stu	3	0.04	418	5.15
Chemical Engineering Department	10	0.12	428	5.28
Chemistry Department	219	2.70	647	7.98
Civil & Environmental Engr	4	0.05	651	8.03
Classical Studies Department	6	0.07	657	8.10
CoE Ctr for Entrepreneurship	41	0.51	698	8.61
College Of Engineering	2	0.02	700	8.63
College Of Pharmacy	3	0.04	703	8.67
College of Architecture & Urban Planning	7	0.09	710	8.76
College of L S & A Residential College	19	0.23	729	8.99
College of Literature, Science, and the Arts	58	0.72	787	9.71
Communication Studies	166	2.05	953	11.75
Comparative Literature Program	4	0.05	957	11.80
Dental Hygiene-Dentistry	14	0.17	971	11.97
Department Of Dance	2	0.02	973	12.00
Department of Afro-American and African Studie	8	0.10	981	12.10
Department of Linguistics	48	0.59	1029	12.69
Dept Of Theatre & Drama	4	0.05	1033	12.74
Earth and Environmental Sciences	30	0.37	1063	13.11
Ecology & Evolutionary Biology	103	1.27	1166	14.38
Economics Department	506	6.24	1672	20.62
Electrical Engr & Computer Sci	173	2.13	1845	22.75
English Language & Literature Dept	170	2.10	2015	24.85
Germanic Languages & Lit Dept	41	0.51	2056	25.35
History Department	134	1.65	2190	27.01
Frequency Missing = 8335				

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MAJOR1_DEPT	Frequency	Percent	Cumulative Frequency	Cumulative Percent
History Of Art Department	23	0.28	2213	27.29
Honors Program	2	0.02	2215	27.32
Industrial-Operations Engr Dep	6	0.07	2221	27.39
International Institute	286	3.53	2507	30.92
Judaic Studies Program	6	0.07	2513	30.99
Latin Amer & Carribean Studies	5	0.06	2518	31.05
Materials Science & Engineering	4	0.05	2522	31.10
Mathematics Department	105	1.29	2627	32.40
Mech Eng & Applied Mech Dept	10	0.12	2637	32.52
Microbiology And Immunology	67	0.83	2704	33.35
Molecular, Cellular, and Developmental Biology	754	9.30	3458	42.64
Near Eastern Studies Department	42	0.52	3500	43.16
Nuclear Engr & Radiological Sci	2	0.02	3502	43.19
Organizational Studies	107	1.32	3609	44.51
Philosophy Department	57	0.70	3666	45.21
Physics Department	13	0.16	3679	45.37
Political Science Department	377	4.65	4056	50.02
Program In Computer Science	86	1.06	4142	51.08
Program in the Environment	298	3.67	4440	54.75
Psychology Department	1719	21.20	6159	75.95
Romance Languages Department	182	2.24	6341	78.20
School Of Art And Design	18	0.22	6359	78.42
School Of Education	74	0.91	6433	79.33
School Of Kinesiology	261	3.22	6694	82.55
School Of Nursing	243	3.00	6937	85.55
School Of Public Policy	190	2.34	7127	87.89
School of Business Administration	432	5.33	7559	93.22
School of Information	23	0.28	7582	93.50
School of Music, Theatre and Dance	32	0.39	7614	93.90
Screen Arts and Cultures	42	0.52	7656	94.41
Slavic Languages & Lit Dept	6	0.07	7662	94.49
Sociology Department	155	1.91	7817	96.40
Statistics Department	222	2.74	8039	99.14
Women's Studies Department	70	0.86	8109	100.00
Frequency Missing = 8335				

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The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
HSGPA1	16416	3.2159661	1.3742332	0	4.0000000
LAST_ACT_ENGL	16013	29.7222257	4.0154310	10.0000000	36.0000000
LAST_ACT_COMP	16014	29.2695766	3.1525985	13.0000000	36.0000000
LAST_ACT_MATH	16015	29.4044333	3.8970251	14.0000000	36.0000000
LAST_ACT_READ	13121	29.1824556	4.2984966	5.0000000	36.0000000
LAST_SATI_MATH	5512	681.8994920	73.0930215	200.0000000	800.0000000
LAST_ACT_SCIRE	13109	28.0448547	3.8697084	13.0000000	36.0000000
LAST_SATI_VERB	5512	638.6302612	77.1596559	310.0000000	800.0000000
LAST_SATI_TOTAL	5512	1320.53	124.2112134	700.0000000	1600.00

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH

Residual vs. fit plot

The UNIVARIATE Procedure

Variable: ANONID

Moments			
N	16444	Sum Weights	16444
Mean	106193.402	Sum Observations	1746244306
Std Deviation	61602.4308	Variance	3794859476
Skewness	0.01637219	Kurtosis	-1.1957015
Uncorrected SS	2.47838E14	Corrected SS	6.23989E13
Coeff Variation	58.0096592	Std Error Mean	480.390174

Basic Statistical Measures			
Location		Variability	
Mean	106193.4	Std Deviation	61602
Median	105977.5	Variance	3794859476
Mode	12540.0	Range	214154
		Interquartile Range	106392

Note: The mode displayed is the smallest of 2 modes with a count of 4.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	221.0566	Pr > t 	<.0001
Sign	M	8222	Pr >= M 	<.0001
Signed Rank	S	67605395	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	214162.0
99%	211748.0
95%	202964.0
90%	191571.0
75% Q3	159501.5
50% Median	105977.5
25% Q1	53109.5
10%	21005.0
5%	10833.0
1%	2267.0
0% Min	8.0

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure
Variable: ANONID

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
8	1	214105	16440
48	2	214142	16441
67	3	214153	16442
99	4	214160	16443
124	5	214162	16444

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure
Variable: CATALOG_NBR

Moments			
N	16444	Sum Weights	16444
Mean	250	Sum Observations	4111000
Std Deviation	0	Variance	0
Skewness	.	Kurtosis	.
Uncorrected SS	1027750000	Corrected SS	0
Coeff Variation	0	Std Error Mean	0

Basic Statistical Measures			
Location		Variability	
Mean	250.0000	Std Deviation	0
Median	250.0000	Variance	0
Mode	250.0000	Range	0
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	.	Pr > t 	.
Sign	M	8222	Pr >= M 	<.0001
Signed Rank	S	67605395	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	250
99%	250
95%	250
90%	250
75% Q3	250
50% Median	250
25% Q1	250
10%	250
5%	250
1%	250
0% Min	250

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure
Variable: CATALOG_NBR

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
250	16444	250	16440
250	16443	250	16441
250	16442	250	16442
250	16441	250	16443
250	16440	250	16444

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH

Residual vs. fit plot

The UNIVARIATE Procedure

Variable: GRD_PTS_PER_UNIT

Moments			
N	16256	Sum Weights	16256
Mean	3.08500246	Sum Observations	50149.8
Std Deviation	0.96156989	Variance	0.92461665
Skewness	-1.5252953	Kurtosis	2.28394194
Uncorrected SS	169741.9	Corrected SS	15029.6436
Coeff Variation	31.1691773	Std Error Mean	0.00754178

Basic Statistical Measures			
Location		Variability	
Mean	3.085002	Std Deviation	0.96157
Median	3.300000	Variance	0.92462
Mode	4.000000	Range	4.40000
		Interquartile Range	1.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	409.0548	Pr > t 	<.0001
Sign	M	7796.5	Pr >= M 	<.0001
Signed Rank	S	60789311	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	4.4
99%	4.0
95%	4.0
90%	4.0
75% Q3	3.7
50% Median	3.3
25% Q1	2.7
10%	2.0
5%	1.3
1%	0.0
0% Min	0.0

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure
Variable: GRD_PTS_PER_UNIT

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	16427	4.4	15323
0	16421	4.4	15540
0	16412	4.4	15695
0	16381	4.4	15810
0	16347	4.4	15838

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	188	1.14	100.00

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure
Variable: GPAO

Moments			
N	16444	Sum Weights	16444
Mean	3.31357621	Sum Observations	54488.4472
Std Deviation	0.47888674	Variance	0.22933251
Skewness	-0.352186	Kurtosis	8.7643805
Uncorrected SS	184322.537	Corrected SS	3770.91451
Coeff Variation	14.4522629	Std Error Mean	0.00373447

Basic Statistical Measures			
Location		Variability	
Mean	3.313576	Std Deviation	0.47889
Median	3.383333	Variance	0.22933
Mode	4.000000	Range	11.65769
		Interquartile Range	0.61086

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	887.2947	Pr > t 	<.0001
Sign	M	8222	Pr >= M 	<.0001
Signed Rank	S	67605395	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	12.000000
99%	4.000000
95%	3.934783
90%	3.853846
75% Q3	3.660000
50% Median	3.383333
25% Q1	3.049138
10%	2.669492
5%	2.413978
1%	1.952632
0% Min	0.342308

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure
Variable: GPAO

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.342308	16343	5.41111	6150
0.342308	5138	6.34000	11424
0.676316	16004	8.10000	6336
0.732203	6583	8.10000	11909
0.732203	1138	12.00000	419

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH Residual vs. fit plot

The UNIVARIATE Procedure Variable: ANON_INSTR_ID

Moments			
N	16444	Sum Weights	16444
Mean	896.86378	Sum Observations	14748028
Std Deviation	538.655724	Variance	290149.989
Skewness	0.0459647	Kurtosis	-1.4708624
Uncorrected SS	1.79979E10	Corrected SS	4770936273
Coeff Variation	60.0599262	Std Error Mean	4.20056341

Basic Statistical Measures			
Location		Variability	
Mean	896.864	Std Deviation	538.65572
Median	1260.000	Variance	290150
Mode	386.000	Range	1731
		Interquartile Range	874.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	213.5104	Pr > t 	<.0001
Sign	M	8222	Pr >= M 	<.0001
Signed Rank	S	67605395	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1802
99%	1802
95%	1802
90%	1446
75% Q3	1260
50% Median	1260
25% Q1	386
10%	386
5%	71
1%	71
0% Min	71

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
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The UNIVARIATE Procedure
Variable: ANON_INSTR_ID

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
71	16440	1802	16389
71	16428	1802	16401
71	16427	1802	16430
71	16409	1802	16432
71	16406	1802	16439

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
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The UNIVARIATE Procedure
Variable: TERM

Moments			
N	16444	Sum Weights	16444
Mean	127.144369	Sum Observations	2090762
Std Deviation	5.74621536	Variance	33.018991
Skewness	-0.1505351	Kurtosis	-1.2783279
Uncorrected SS	266371546	Corrected SS	542931.269
Coeff Variation	4.5194415	Std Error Mean	0.04481033

Basic Statistical Measures			
Location		Variability	
Mean	127.1444	Std Deviation	5.74622
Median	127.0000	Variance	33.01899
Mode	135.0000	Range	17.00000
		Interquartile Range	9.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	2837.39	Pr > t 	<.0001
Sign	M	8222	Pr >= M 	<.0001
Signed Rank	S	67605395	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	135
99%	135
95%	135
90%	135
75% Q3	131
50% Median	127
25% Q1	122
10%	119
5%	118
1%	118
0% Min	118

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure
Variable: TERM

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
118	16429	135	16423
118	16425	135	16434
118	16413	135	16436
118	16411	135	16440
118	16387	135	16441

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure
Variable: HSGPA1

Moments			
N	16416	Sum Weights	16416
Mean	3.21596613	Sum Observations	52793.3
Std Deviation	1.37423321	Variance	1.88851692
Skewness	-1.8654351	Kurtosis	1.59712905
Uncorrected SS	200781.47	Corrected SS	31000.0053
Coeff Variation	42.7315823	Std Error Mean	0.01072573

Basic Statistical Measures			
Location		Variability	
Mean	3.215966	Std Deviation	1.37423
Median	3.800000	Variance	1.88852
Mode	3.900000	Range	4.00000
		Interquartile Range	0.30000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	299.8366	Pr > t 	<.0001
Sign	M	6961.5	Pr >= M 	<.0001
Signed Rank	S	48465963	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	4.0
99%	4.0
95%	4.0
90%	4.0
75% Q3	3.9
50% Median	3.8
25% Q1	3.6
10%	0.0
5%	0.0
1%	0.0
0% Min	0.0

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
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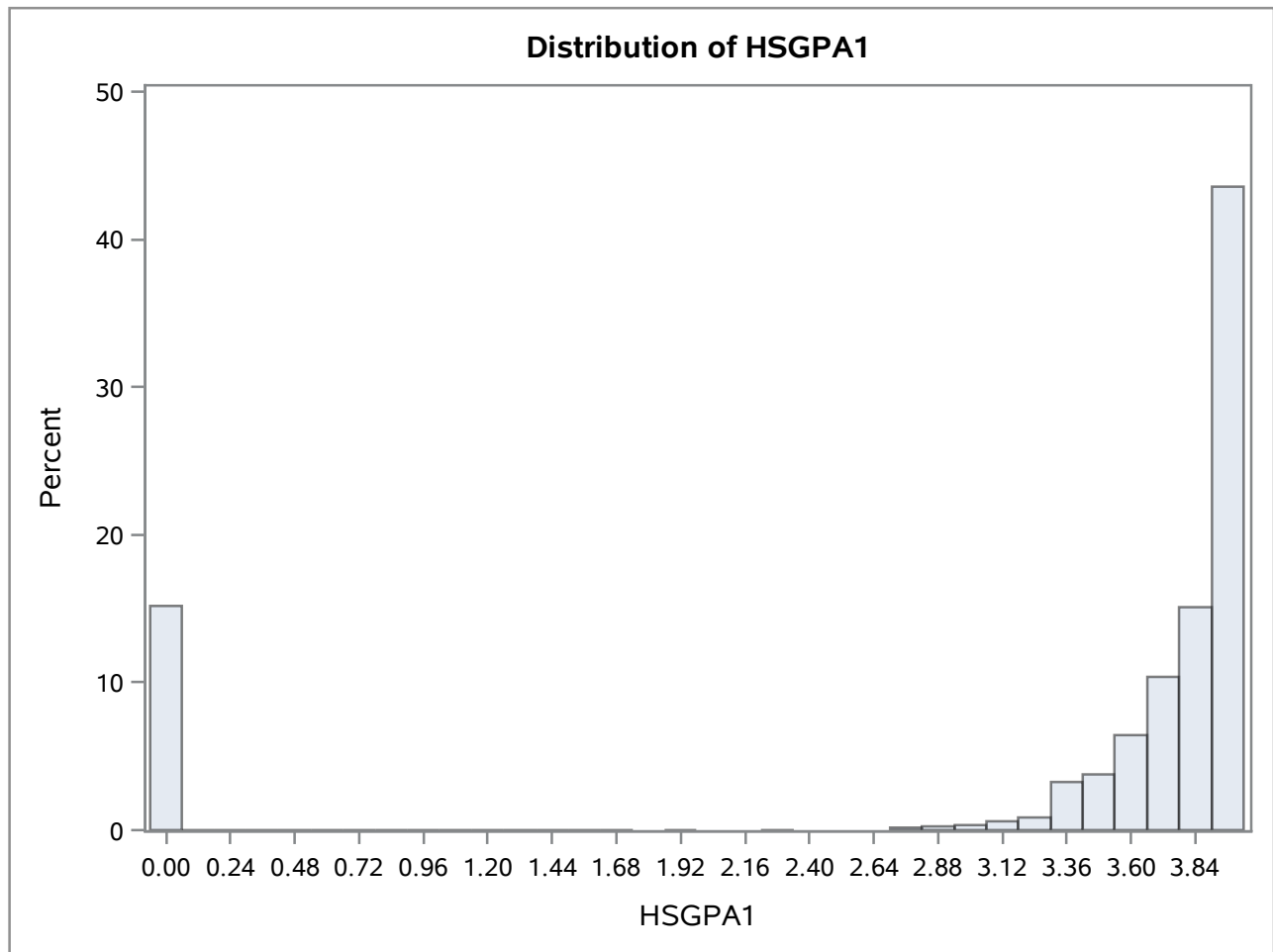
The UNIVARIATE Procedure
Variable: HSGPA1

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0	16440	4	16401
0	16434	4	16411
0	16423	4	16432
0	16421	4	16439
0	16417	4	16441

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	28	0.17	100.00

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The UNIVARIATE Procedure



Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure
Variable: LAST_ACT_ENGL

Moments			
N	16013	Sum Weights	16013
Mean	29.7222257	Sum Observations	475942
Std Deviation	4.01543098	Variance	16.123686
Skewness	-0.6465501	Kurtosis	0.03169789
Uncorrected SS	14404228	Corrected SS	258172.46
Coeff Variation	13.5098597	Std Error Mean	0.03173188

Basic Statistical Measures			
Location		Variability	
Mean	29.72223	Std Deviation	4.01543
Median	30.00000	Variance	16.12369
Mode	34.00000	Range	26.00000
		Interquartile Range	6.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	936.6676	Pr > t 	<.0001
Sign	M	8006.5	Pr >= M 	<.0001
Signed Rank	S	64108046	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	36
99%	36
95%	35
90%	34
75% Q3	33
50% Median	30
25% Q1	27
10%	24
5%	22
1%	19
0% Min	10

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

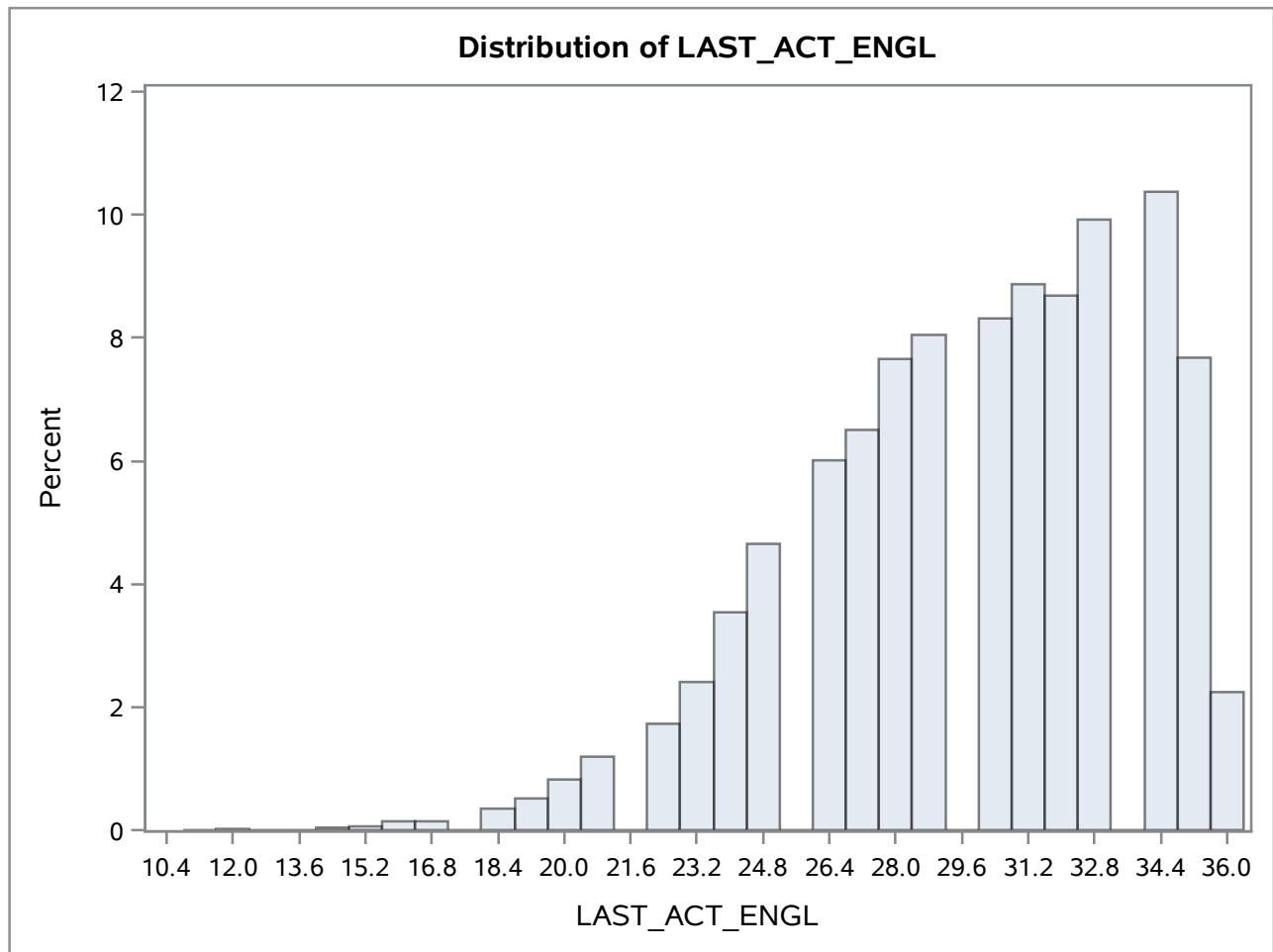
The UNIVARIATE Procedure
Variable: LAST_ACT_ENGL

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
10	4998	36	16085
12	15014	36	16087
12	4572	36	16275
12	1598	36	16375
14	15882	36	16385

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	431	2.62	100.00

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The UNIVARIATE Procedure



Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure
Variable: LAST_ACT_COMP

Moments			
N	16014	Sum Weights	16014
Mean	29.2695766	Sum Observations	468723
Std Deviation	3.15259846	Variance	9.93887702
Skewness	-0.6678937	Kurtosis	0.57342814
Uncorrected SS	13878475	Corrected SS	159151.238
Coeff Variation	10.7709056	Std Error Mean	0.02491258

Basic Statistical Measures			
Location		Variability	
Mean	29.26958	Std Deviation	3.15260
Median	30.00000	Variance	9.93888
Mode	30.00000	Range	23.00000
		Interquartile Range	5.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	1174.891	Pr > t 	<.0001
Sign	M	8007	Pr >= M 	<.0001
Signed Rank	S	64116053	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	36
99%	35
95%	34
90%	33
75% Q3	32
50% Median	30
25% Q1	27
10%	25
5%	24
1%	20
0% Min	13

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

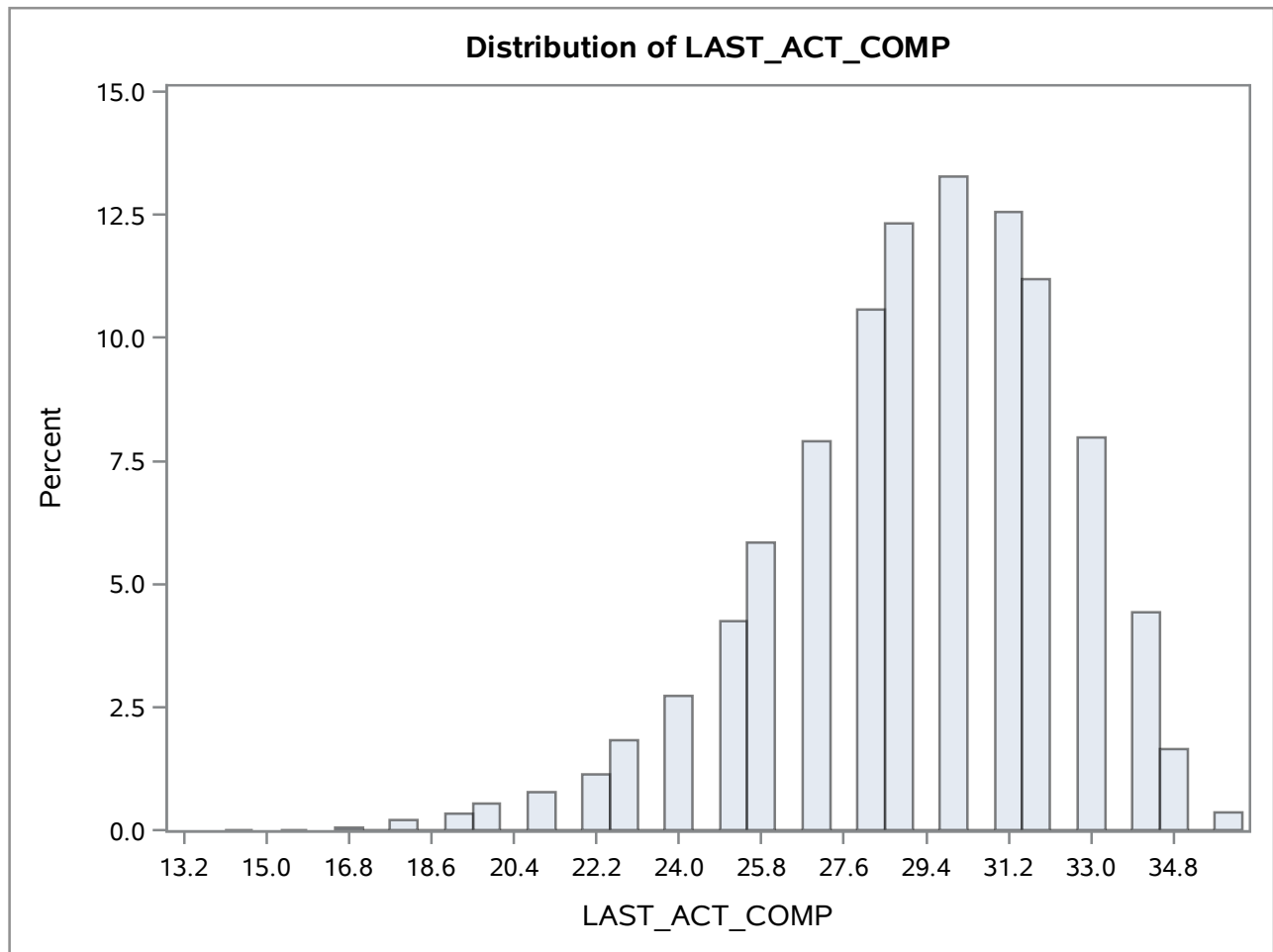
The UNIVARIATE Procedure
Variable: LAST_ACT_COMP

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
13	5993	36	13626
13	1598	36	14985
14	4572	36	15361
15	15014	36	15763
16	614	36	16085

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	430	2.61	100.00

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The UNIVARIATE Procedure



Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH

Residual vs. fit plot

The UNIVARIATE Procedure

Variable: LAST_ACT_MATH

Moments			
N	16015	Sum Weights	16015
Mean	29.4044333	Sum Observations	470912
Std Deviation	3.89702507	Variance	15.1868044
Skewness	-0.4838936	Kurtosis	-0.0162445
Uncorrected SS	14090102	Corrected SS	243201.485
Coeff Variation	13.2531888	Std Error Mean	0.03079426

Basic Statistical Measures			
Location		Variability	
Mean	29.40443	Std Deviation	3.89703
Median	30.00000	Variance	15.18680
Mode	28.00000	Range	22.00000
		Interquartile Range	6.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	954.8674	Pr > t 	<.0001
Sign	M	8007.5	Pr >= M 	<.0001
Signed Rank	S	64124060	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	36
99%	36
95%	35
90%	34
75% Q3	33
50% Median	30
25% Q1	27
10%	24
5%	23
1%	19
0% Min	14

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

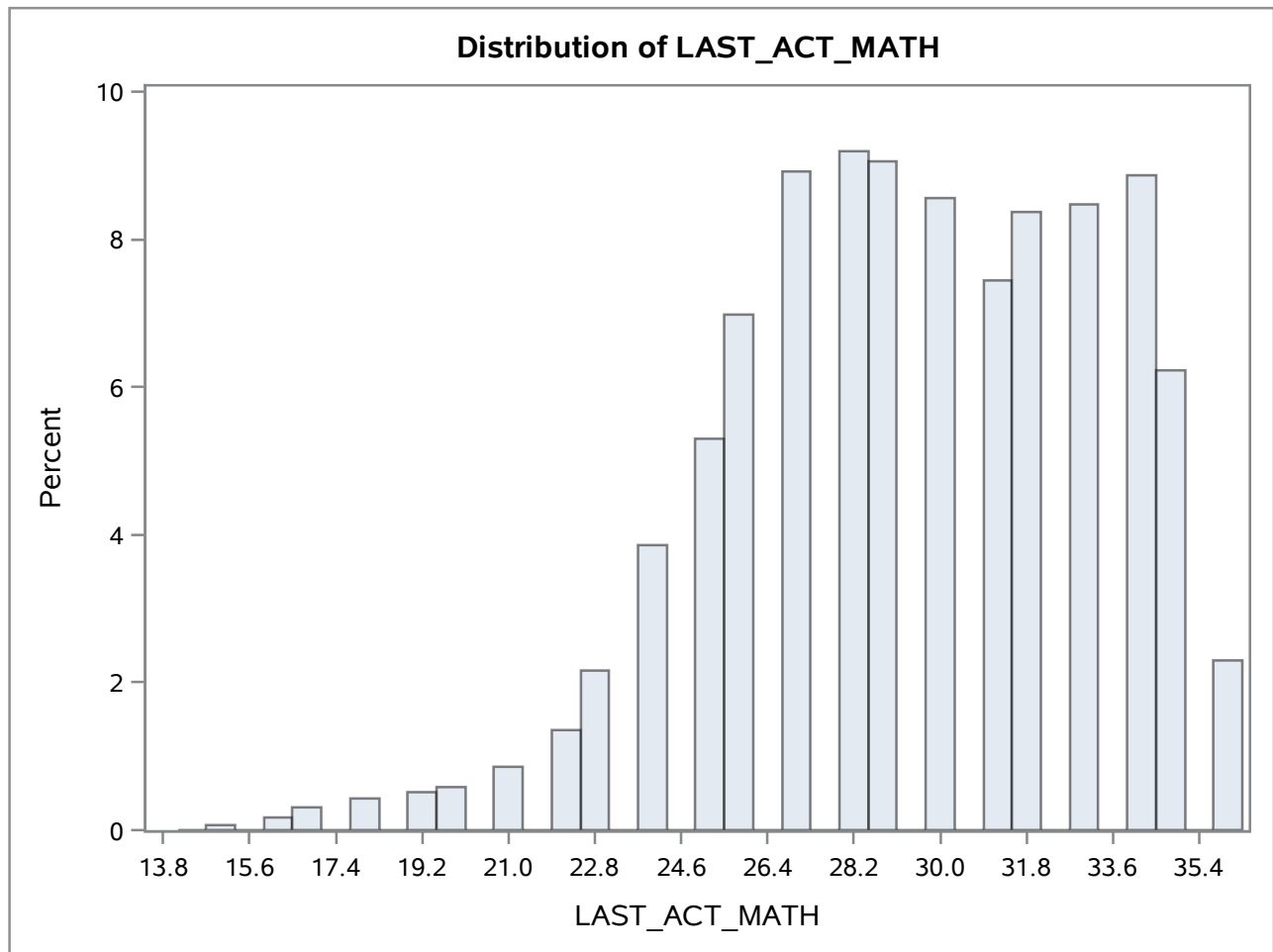
The UNIVARIATE Procedure
Variable: LAST_ACT_MATH

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
14	5922	36	16378
15	15267	36	16382
15	15069	36	16390
15	14209	36	16398
15	11963	36	16441

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	429	2.61	100.00

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure



Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure
Variable: LAST_ACT_READ

Moments			
N	13121	Sum Weights	13121
Mean	29.1824556	Sum Observations	382903
Std Deviation	4.29849663	Variance	18.4770733
Skewness	-0.6255676	Kurtosis	-0.0050769
Uncorrected SS	11416469	Corrected SS	242419.201
Coeff Variation	14.729729	Std Error Mean	0.03752607

Basic Statistical Measures			
Location		Variability	
Mean	29.18246	Std Deviation	4.29850
Median	30.00000	Variance	18.47707
Mode	31.00000	Range	31.00000
		Interquartile Range	6.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	777.6581	Pr > t 	<.0001
Sign	M	6560.5	Pr >= M 	<.0001
Signed Rank	S	43043441	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	36
99%	36
95%	35
90%	34
75% Q3	32
50% Median	30
25% Q1	26
10%	23
5%	21
1%	18
0% Min	5

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH Residual vs. fit plot

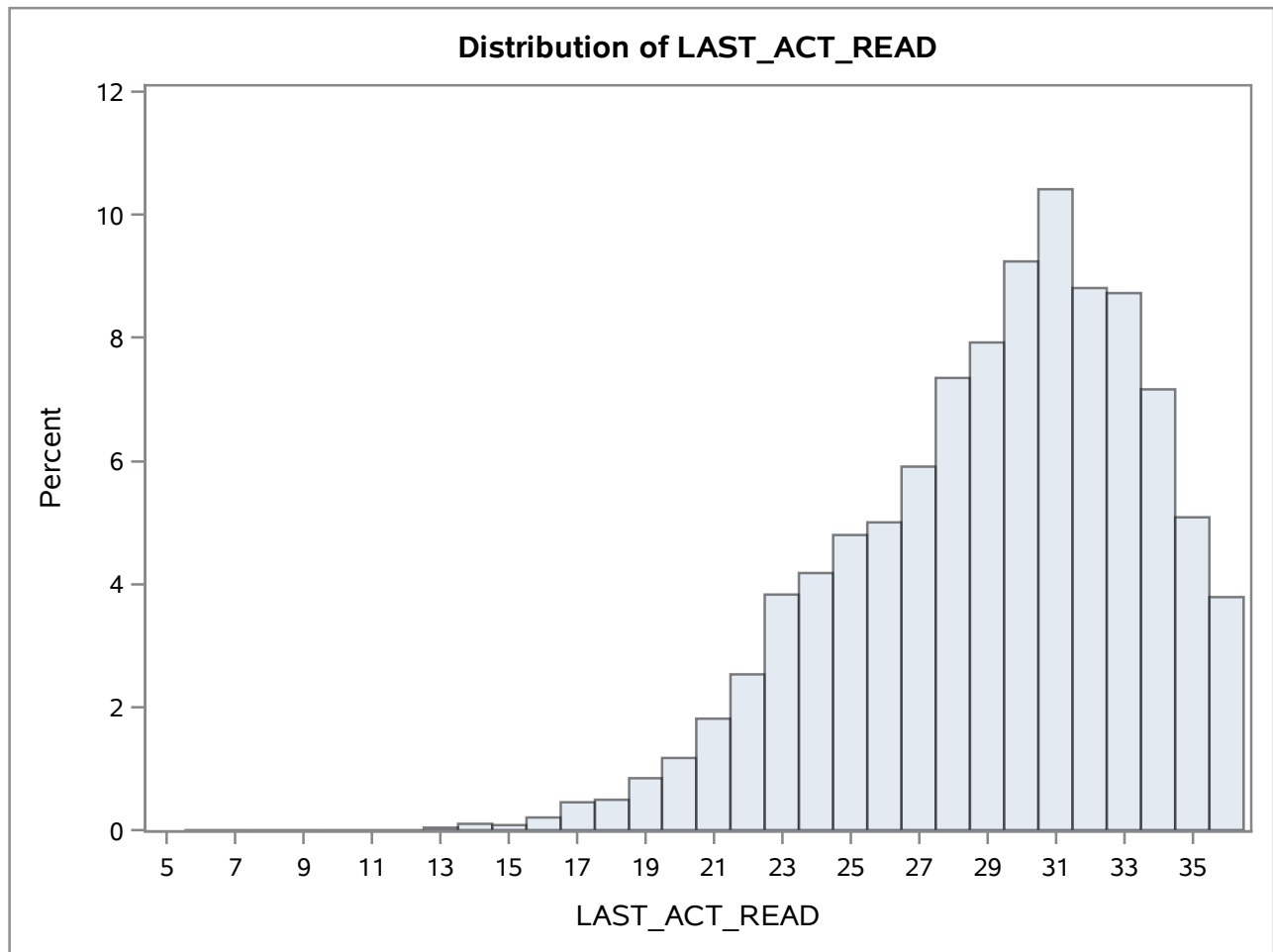
The UNIVARIATE Procedure
Variable: LAST_ACT_READ

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
5	1598	36	16261
13	13152	36	16281
13	11172	36	16297
13	10305	36	16350
13	4404	36	16385

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	3323	20.21	100.00

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure



Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH

Residual vs. fit plot

The UNIVARIATE Procedure

Variable: LAST_SATI_MATH

Moments			
N	5512	Sum Weights	5512
Mean	681.899492	Sum Observations	3758630
Std Deviation	73.0930215	Variance	5342.58979
Skewness	-0.595957	Kurtosis	0.58050402
Uncorrected SS	2592450900	Corrected SS	29443012.3
Coeff Variation	10.7190315	Std Error Mean	0.98451267

Basic Statistical Measures			
Location		Variability	
Mean	681.8995	Std Deviation	73.09302
Median	690.0000	Variance	5343
Mode	680.0000	Range	600.00000
		Interquartile Range	100.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	692.6264	Pr > t 	<.0001
Sign	M	2756	Pr >= M 	<.0001
Signed Rank	S	7596914	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	800
99%	800
95%	790
90%	780
75% Q3	740
50% Median	690
25% Q1	640
10%	590
5%	550
1%	490
0% Min	200

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH

Residual vs. fit plot

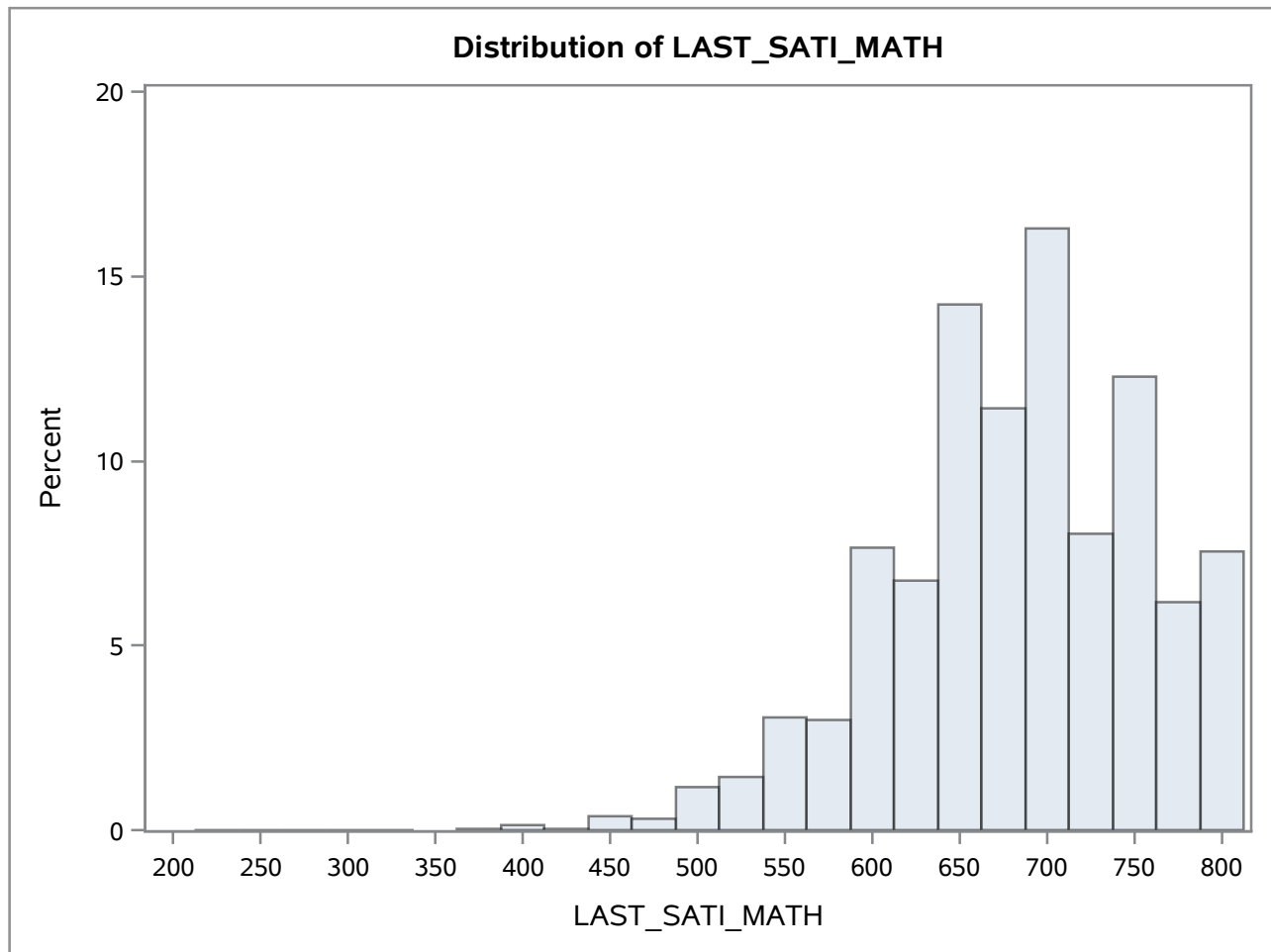
The UNIVARIATE Procedure
Variable: LAST_SATI_MATH

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
200	613	800	16250
360	6880	800	16308
370	2580	800	16378
380	11141	800	16429
380	9390	800	16439

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	10932	66.48	100.00

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure



Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure
Variable: LAST_ACT_SCIRE

Moments			
N	13109	Sum Weights	13109
Mean	28.0448547	Sum Observations	367640
Std Deviation	3.86970844	Variance	14.9746434
Skewness	-0.0439055	Kurtosis	-0.3134572
Uncorrected SS	10506698	Corrected SS	196287.625
Coeff Variation	13.7982831	Std Error Mean	0.03379819

Basic Statistical Measures			
Location		Variability	
Mean	28.04485	Std Deviation	3.86971
Median	28.00000	Variance	14.97464
Mode	27.00000	Range	23.00000
		Interquartile Range	6.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	829.7738	Pr > t 	<.0001
Sign	M	6554.5	Pr >= M 	<.0001
Signed Rank	S	42964748	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	36
99%	36
95%	35
90%	33
75% Q3	31
50% Median	28
25% Q1	25
10%	23
5%	22
1%	19
0% Min	13

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH

Residual vs. fit plot

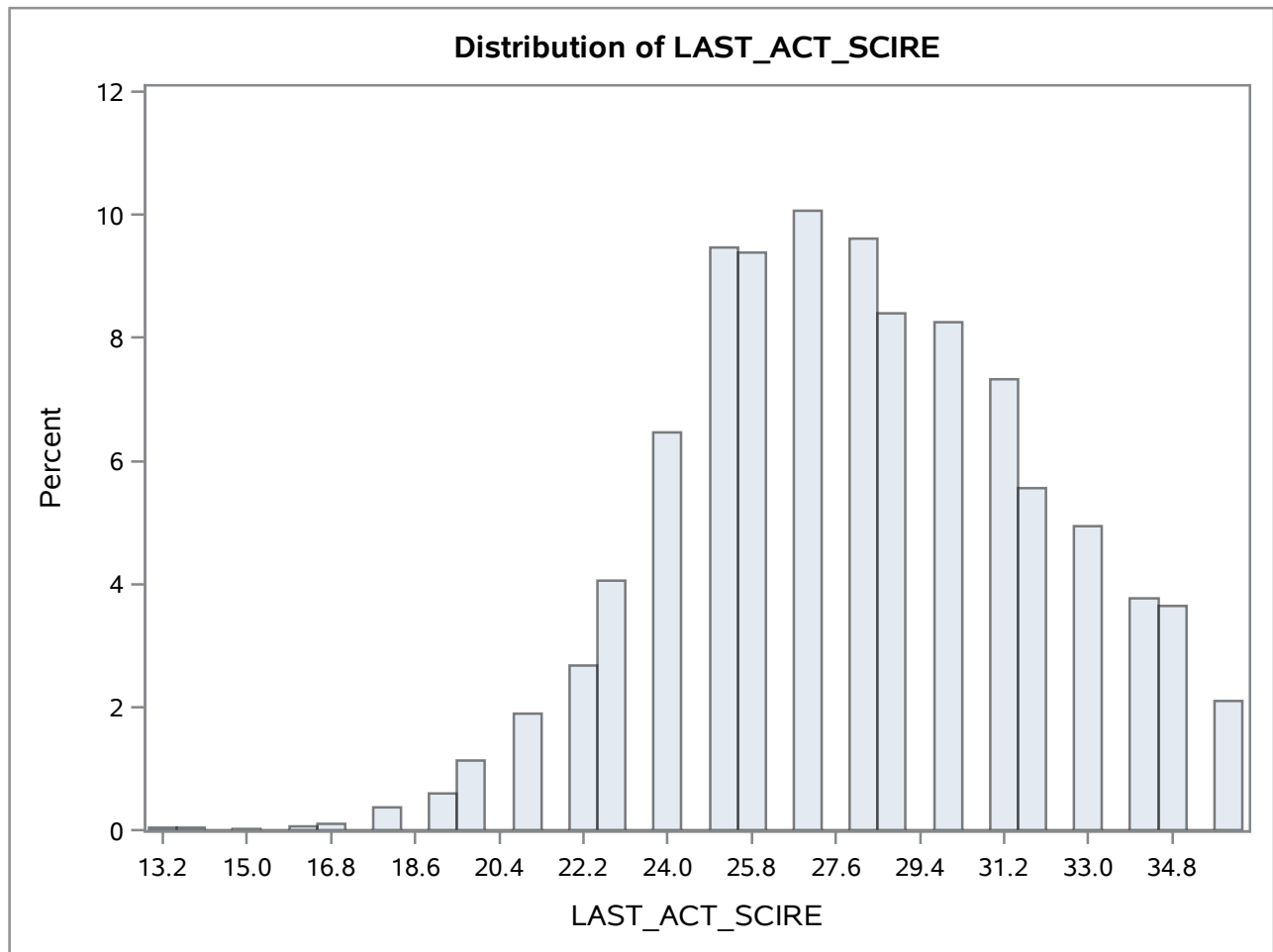
The UNIVARIATE Procedure
Variable: LAST_ACT_SCIRE

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
13	10310	36	16024
13	7153	36	16039
13	4572	36	16078
13	2413	36	16131
13	614	36	16423

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	3335	20.28	100.00

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure



Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure
Variable: LAST_SATI_VERB

Moments			
N	5512	Sum Weights	5512
Mean	638.630261	Sum Observations	3520130
Std Deviation	77.1596559	Variance	5953.6125
Skewness	-0.2647968	Kurtosis	0.03992846
Uncorrected SS	2280871900	Corrected SS	32810358.5
Coeff Variation	12.0820544	Std Error Mean	1.03928744

Basic Statistical Measures			
Location		Variability	
Mean	638.6303	Std Deviation	77.15966
Median	640.0000	Variance	5954
Mode	630.0000	Range	490.00000
		Interquartile Range	100.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	614.4886	Pr > t 	<.0001
Sign	M	2756	Pr >= M 	<.0001
Signed Rank	S	7596914	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	800
99%	800
95%	760
90%	740
75% Q3	690
50% Median	640
25% Q1	590
10%	540
5%	510
1%	440
0% Min	310

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH Residual vs. fit plot

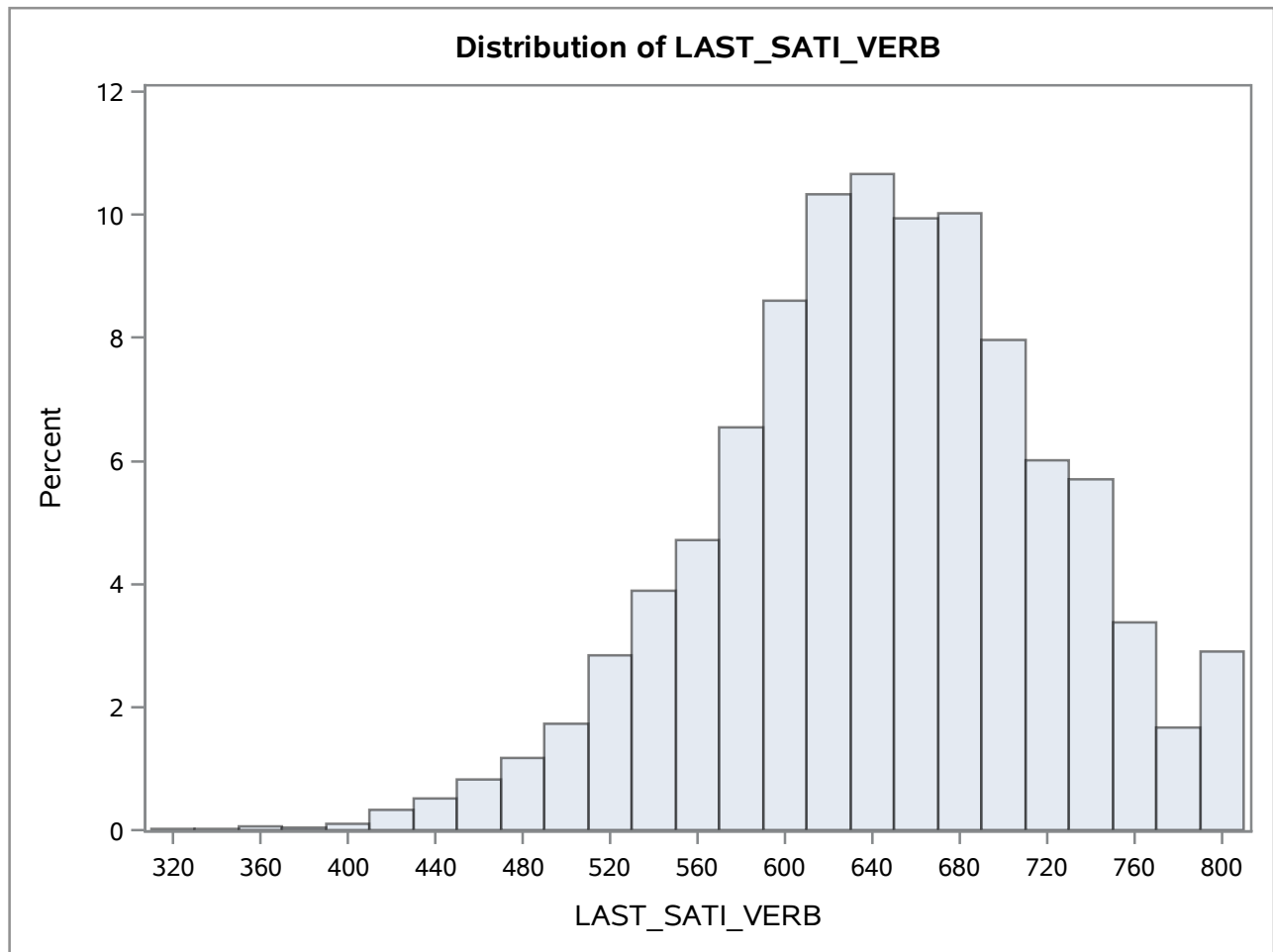
The UNIVARIATE Procedure
Variable: LAST_SATI_VERB

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
310	12740	800	15748
340	4998	800	15846
350	4296	800	16180
360	14477	800	16406
360	9394	800	16441

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	10932	66.48	100.00

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure



Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH Residual vs. fit plot

The UNIVARIATE Procedure Variable: LAST_SATI_TOTAL

Moments			
N	5512	Sum Weights	5512
Mean	1320.52975	Sum Observations	7278760
Std Deviation	124.211213	Variance	15428.4255
Skewness	-0.5714685	Kurtosis	0.65941019
Uncorrected SS	9696845200	Corrected SS	85026053.1
Coeff Variation	9.40616545	Std Error Mean	1.67303952

Basic Statistical Measures			
Location		Variability	
Mean	1320.530	Std Deviation	124.21121
Median	1330.000	Variance	15428
Mode	1310.000	Range	900.00000
		Interquartile Range	160.00000

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	789.2998	Pr > t 	<.0001
Sign	M	2756	Pr >= M 	<.0001
Signed Rank	S	7596914	Pr >= S 	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	1600
99%	1570
95%	1500
90%	1470
75% Q3	1410
50% Median	1330
25% Q1	1250
10%	1160
5%	1110
1%	970
0% Min	700

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

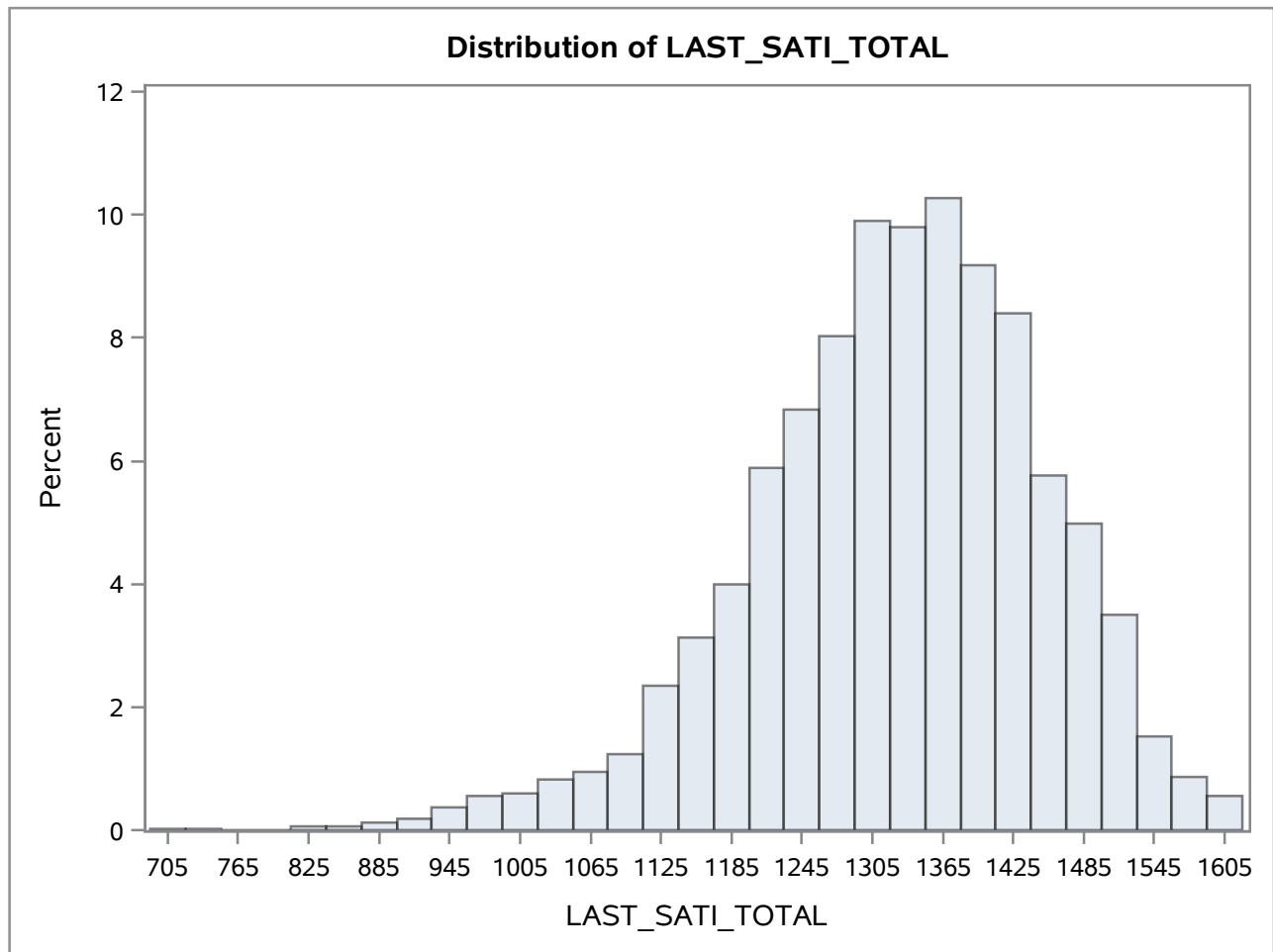
The UNIVARIATE Procedure
Variable: LAST_SATI_TOTAL

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
700	613	1600	6943
720	12740	1600	7456
810	9390	1600	8680
810	760	1600	9286
830	13590	1600	14985

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	10932	66.48	100.00

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure



Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH

Residual vs. fit plot

The UNIVARIATE Procedure

Variable: i

Moments			
N	16444	Sum Weights	16444
Mean	11	Sum Observations	180884
Std Deviation	0	Variance	0
Skewness	.	Kurtosis	.
Uncorrected SS	1989724	Corrected SS	0
Coeff Variation	0	Std Error Mean	0

Basic Statistical Measures			
Location		Variability	
Mean	11.00000	Std Deviation	0
Median	11.00000	Variance	0
Mode	11.00000	Range	0
		Interquartile Range	0

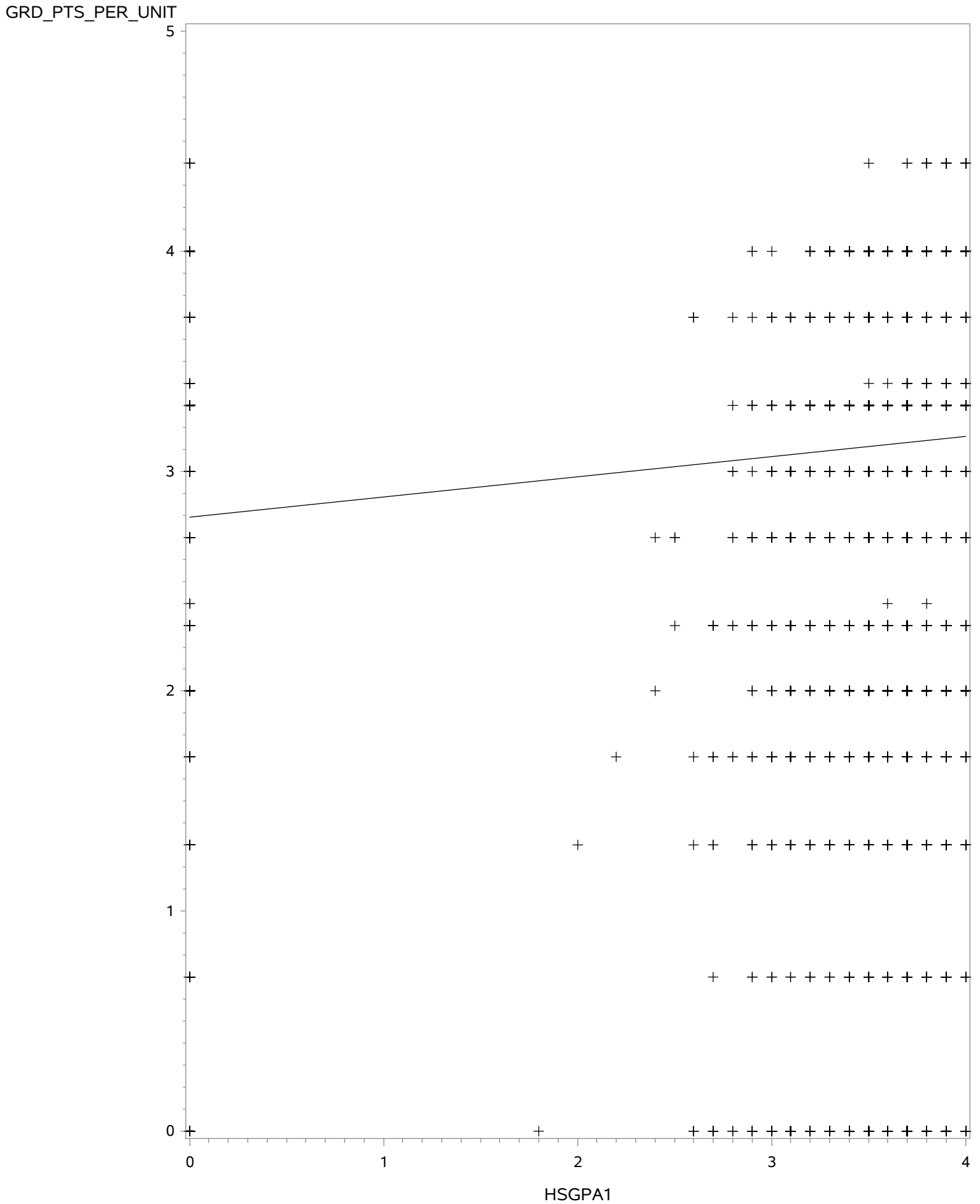
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	.	Pr > t	.
Sign	M	8222	Pr >= M	<.0001
Signed Rank	S	67605395	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	11
99%	11
95%	11
90%	11
75% Q3	11
50% Median	11
25% Q1	11
10%	11
5%	11
1%	11
0% Min	11

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on LAST_SATI_MATH
Residual vs. fit plot

The UNIVARIATE Procedure
Variable: i

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
11	16444	11	16440
11	16443	11	16441
11	16442	11	16442
11	16441	11	16443
11	16440	11	16444

EDA of Aim.STATS250C: GRD_PTS_PER_UNIT on HSGPA1

Regression analysis for Aim.STATS250C**The GLM Procedure**

Number of Observations Read	16444
Number of Observations Used	16228

Regression analysis for Aim.STATS250C

The GLM Procedure

Dependent Variable: GRD_PTS_PER_UNIT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	253.23835	253.23835	279.31	<.0001
Error	16226	14711.40451	0.90666		
Corrected Total	16227	14964.64286			

R-Square	Coeff Var	Root MSE	GRD_PTS_PER_UNIT Mean
0.016922	30.85247	0.952185	3.086252

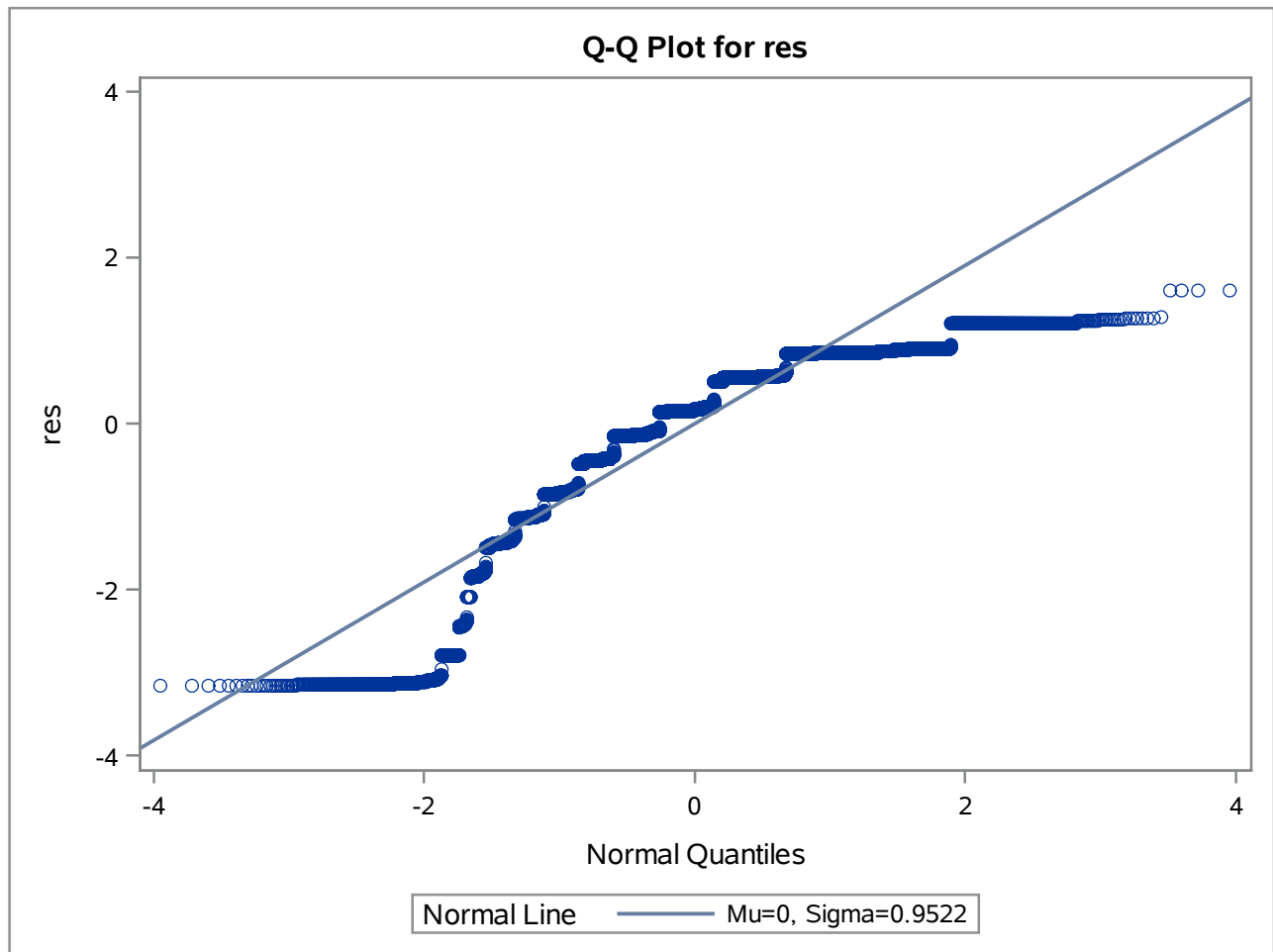
Source	DF	Type I SS	Mean Square	F Value	Pr > F
HSGPA1	1	253.2383453	253.2383453	279.31	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
HSGPA1	1	253.2383453	253.2383453	279.31	<.0001

Parameter	Estimate	Standard Error	t Value	Pr > t
Intercept	2.793069511	0.01906866	146.47	<.0001
HSGPA1	0.091048002	0.00544787	16.71	<.0001

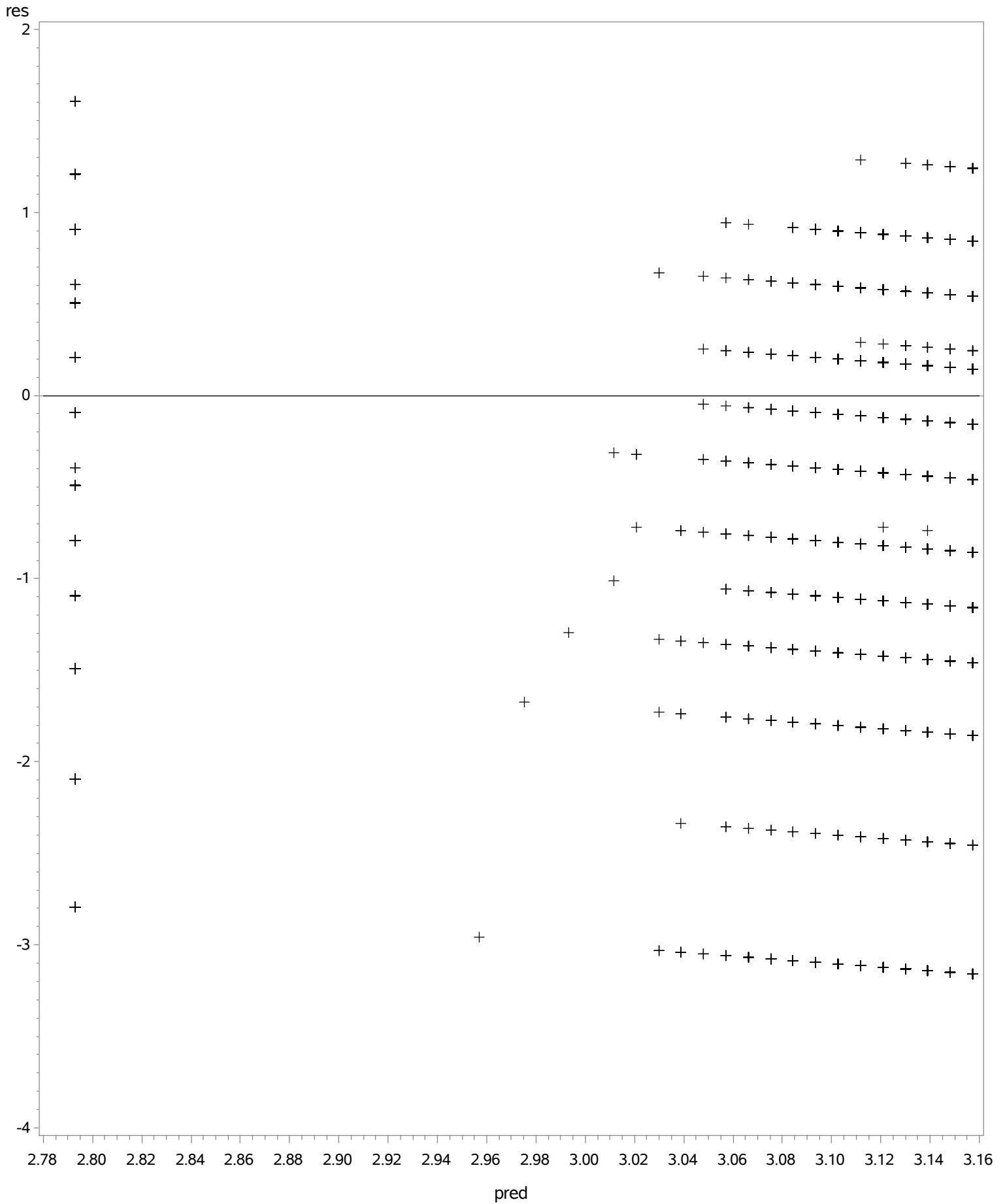
Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on HSGPA1
Quantile normal plot of residuals

The UNIVARIATE Procedure

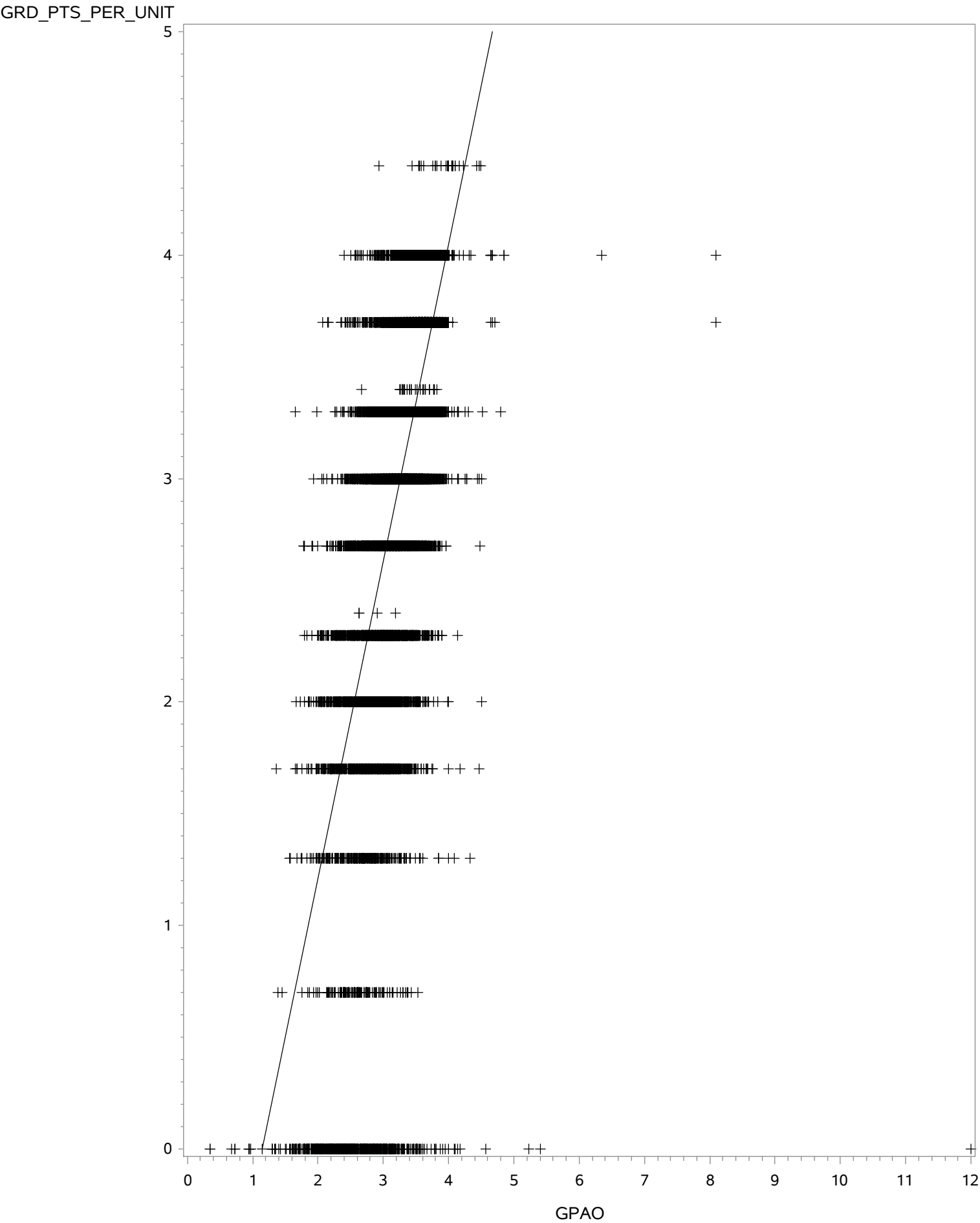


Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on HSGPA1

Residual vs. fit plot



EDA of Aim.STATS250C: GRD_PTS_PER_UNIT on GPAO



Regression analysis for Aim.STATS250C**The GLM Procedure**

Number of Observations Read	16444
Number of Observations Used	16256

Regression analysis for Aim.STATS250C**The GLM Procedure****Dependent Variable: GRD_PTS_PER_UNIT**

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	7329.47669	7329.47669	15471.5	<.0001
Error	16254	7700.16691	0.47374		
Corrected Total	16255	15029.64360			

R-Square	Coeff Var	Root MSE	GRD_PTS_PER_UNIT Mean
0.487668	22.31076	0.688288	3.085002

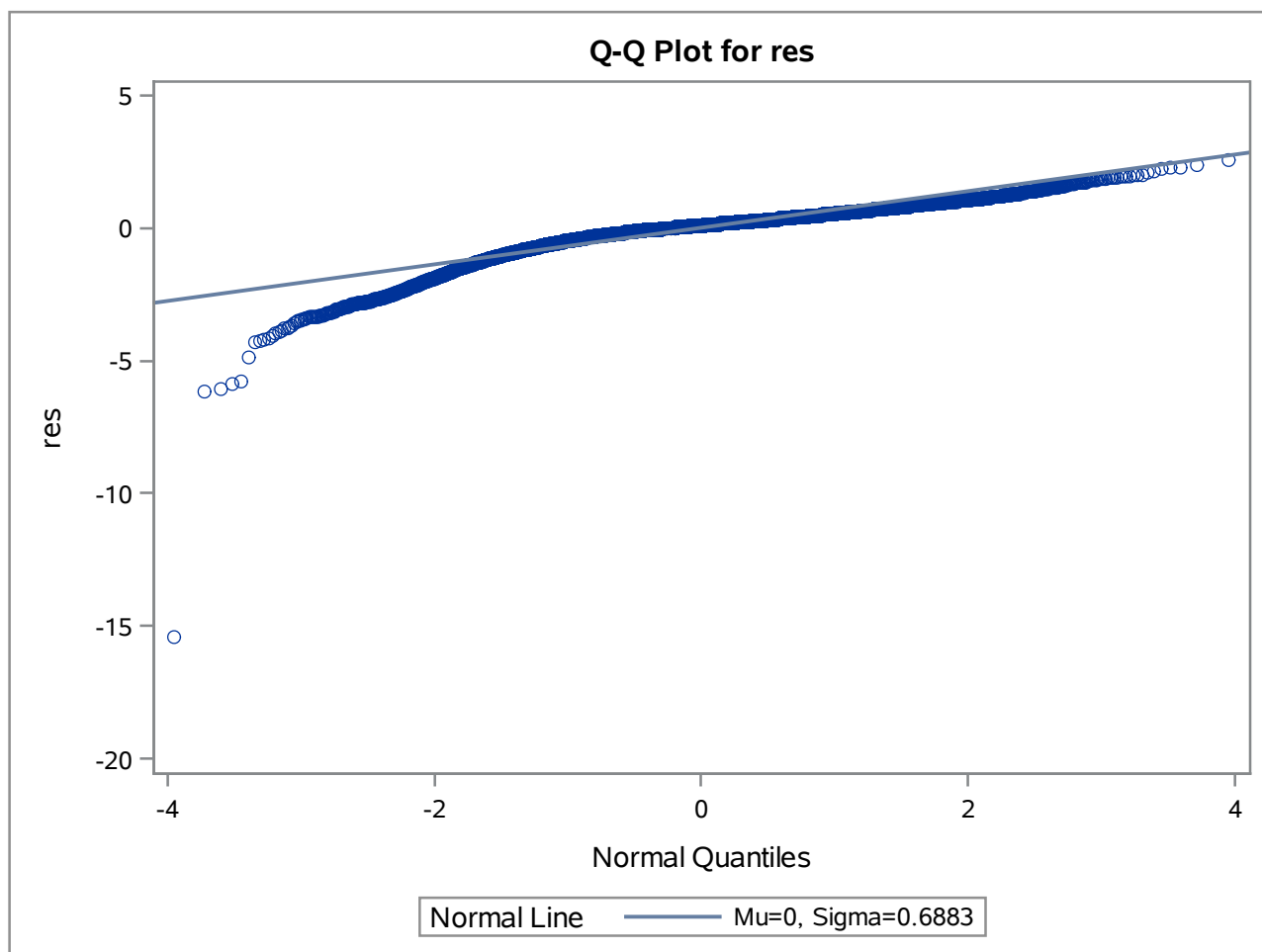
Source	DF	Type I SS	Mean Square	F Value	Pr > F
GPAO	1	7329.476685	7329.476685	15471.5	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
GPAO	1	7329.476685	7329.476685	15471.5	<.0001

Parameter	Estimate	Standard Error	t Value	Pr > t
Intercept	-1.628865730	0.03828009	-42.55	<.0001
GPAO	1.419163778	0.01140948	124.38	<.0001

Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on GPAO
Quantile normal plot of residuals

The UNIVARIATE Procedure



Regression with Aim.STATS250C data: GRD_PTS_PER_UNIT on GPAO

Residual vs. fit plot

