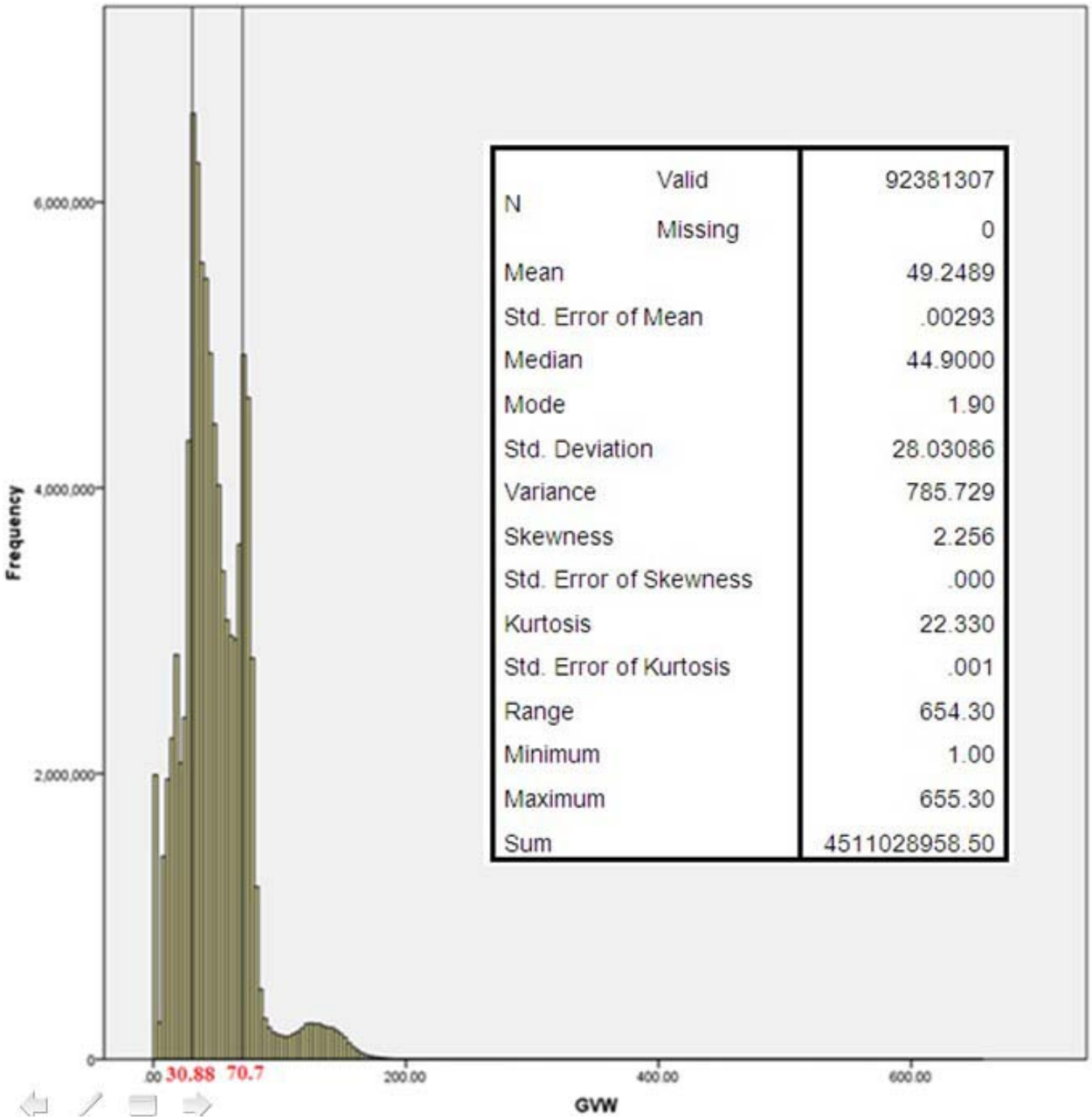
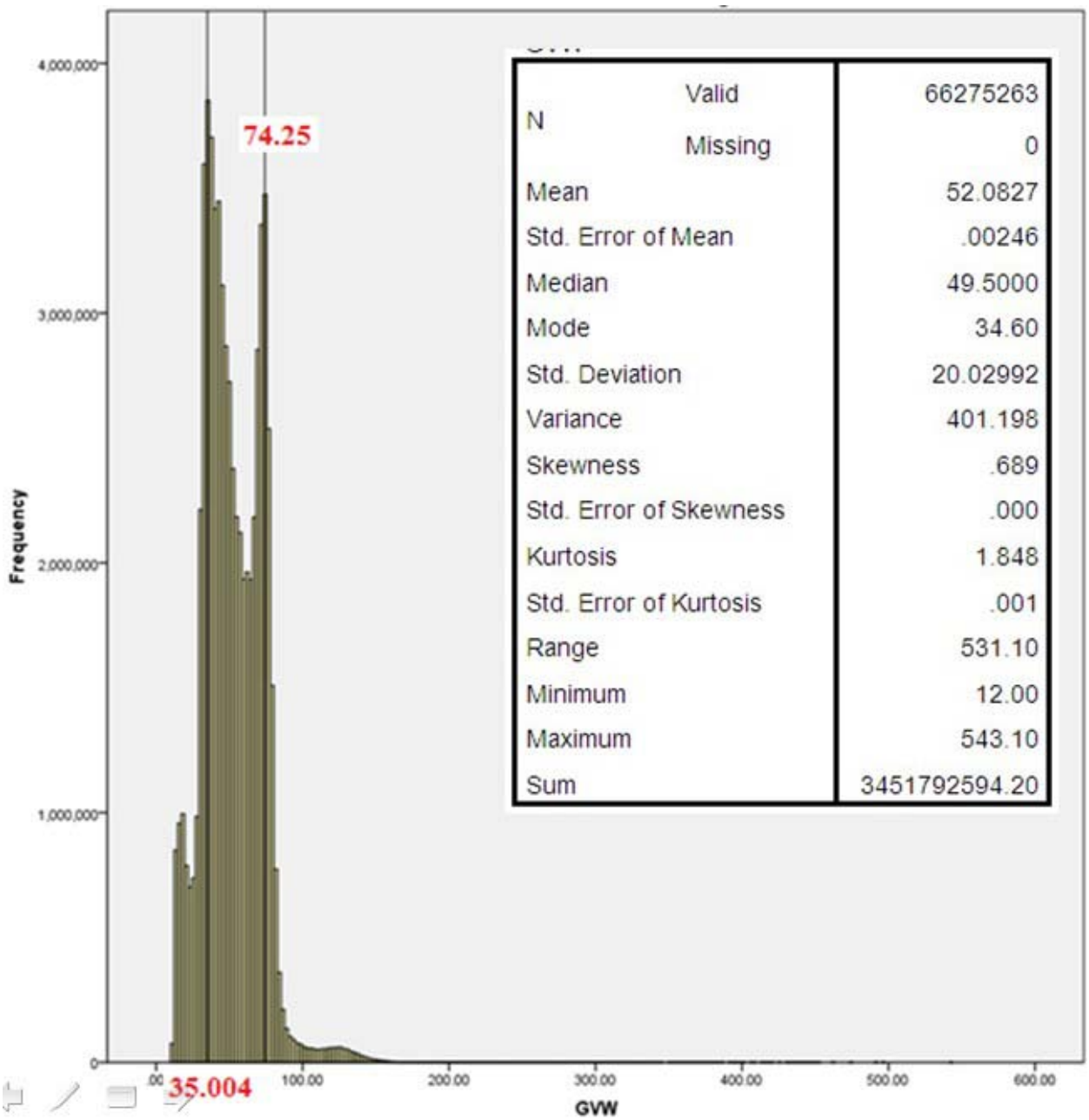
Table B10. Vehicle Checking Statistics by Site.

	5-AXLE VEHICLES			ALL VEHICLES		
	Mean Weight			Mean Weight		
SITE	Drive Axle (k)	Steering Axle (k)	Tandem Axle Spacing (ft)	Drive Axle (k)	Steering Axle (k)	Tandem Axle Spacing (ft)
4049	11.6	11.0	4.5	12.0	10.9	5.3
5019	11.5	10.4	4.8	11.9	10.3	5.8
5099	11.0	11.5	4.4	11.9	11.5	6.0
5289	11.5	11.0	4.5	12.0	11.1	6.1
6429	11.1	10.4	4.6	11.8	10.3	5.3
7029	11.8	10.7	4.7	11.9	10.6	5.3
7159	11.8	11.0	4.6	11.9	10.9	5.1
7169	11.8	10.8	4.6	11.9	10.8	5.2
7219	11.7	10.5	4.6	11.8	10.4	4.8
7269	11.7	10.7	4.9	11.8	10.6	5.5
8029	10.9	10.8	4.7	11.7	10.5	7.0
8839	11.3	10.7	4.8	11.6	10.5	5.3
8869	11.8	11.0	4.5	11.9	10.9	4.9
9189	11.0	10.5	4.9	11.2	10.4	5.3
9209	10.5	11.0	4.5	11.1	10.6	5.8
9699	11.5	10.9	4.5	11.6	10.8	4.7



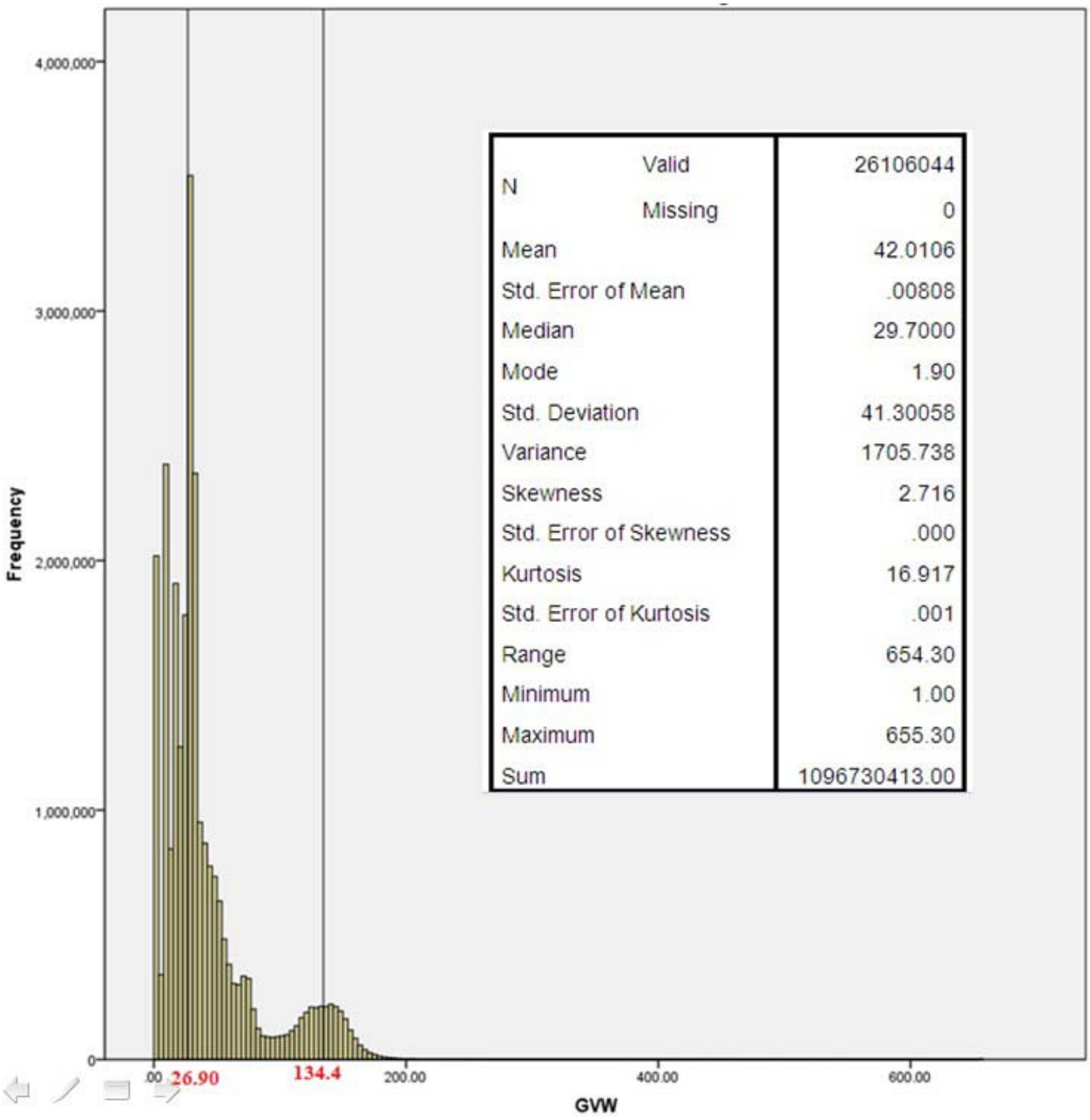
N	Valid	92381307
	Missing	0
Mean		49.2489
Std. Error of Mean		.00293
Median		44.9000
Mode		1.90
Std. Deviation		28.03086
Variance		785.729
Skewness		2.256
Std. Error of Skewness		.000
Kurtosis		22.330
Std. Error of Kurtosis		.001
Range		654.30
Minimum		1.00
Maximum		655.30
Sum		4511028958.50

Figure B1. Frequency Histogram for All Data, Prior to Scrubbing.



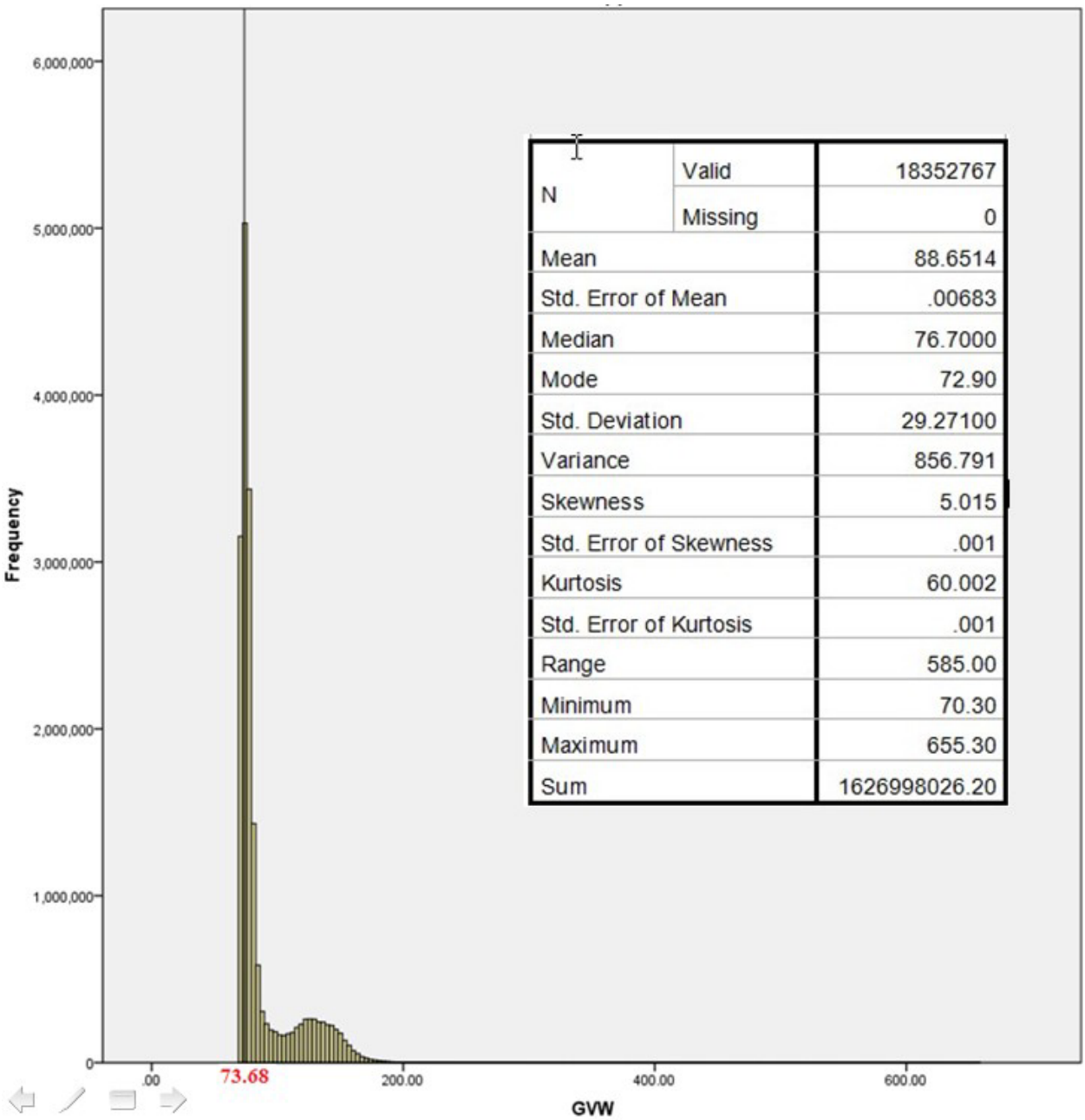
N	Valid	66275263
	Missing	0
Mean		52.0827
Std. Error of Mean		.00246
Median		49.5000
Mode		34.60
Std. Deviation		20.02992
Variance		401.198
Skewness		.689
Std. Error of Skewness		.000
Kurtosis		1.848
Std. Error of Kurtosis		.001
Range		531.10
Minimum		12.00
Maximum		543.10
Sum		3451792594.20

Figure B2. Frequency Histogram for All Correct Data.



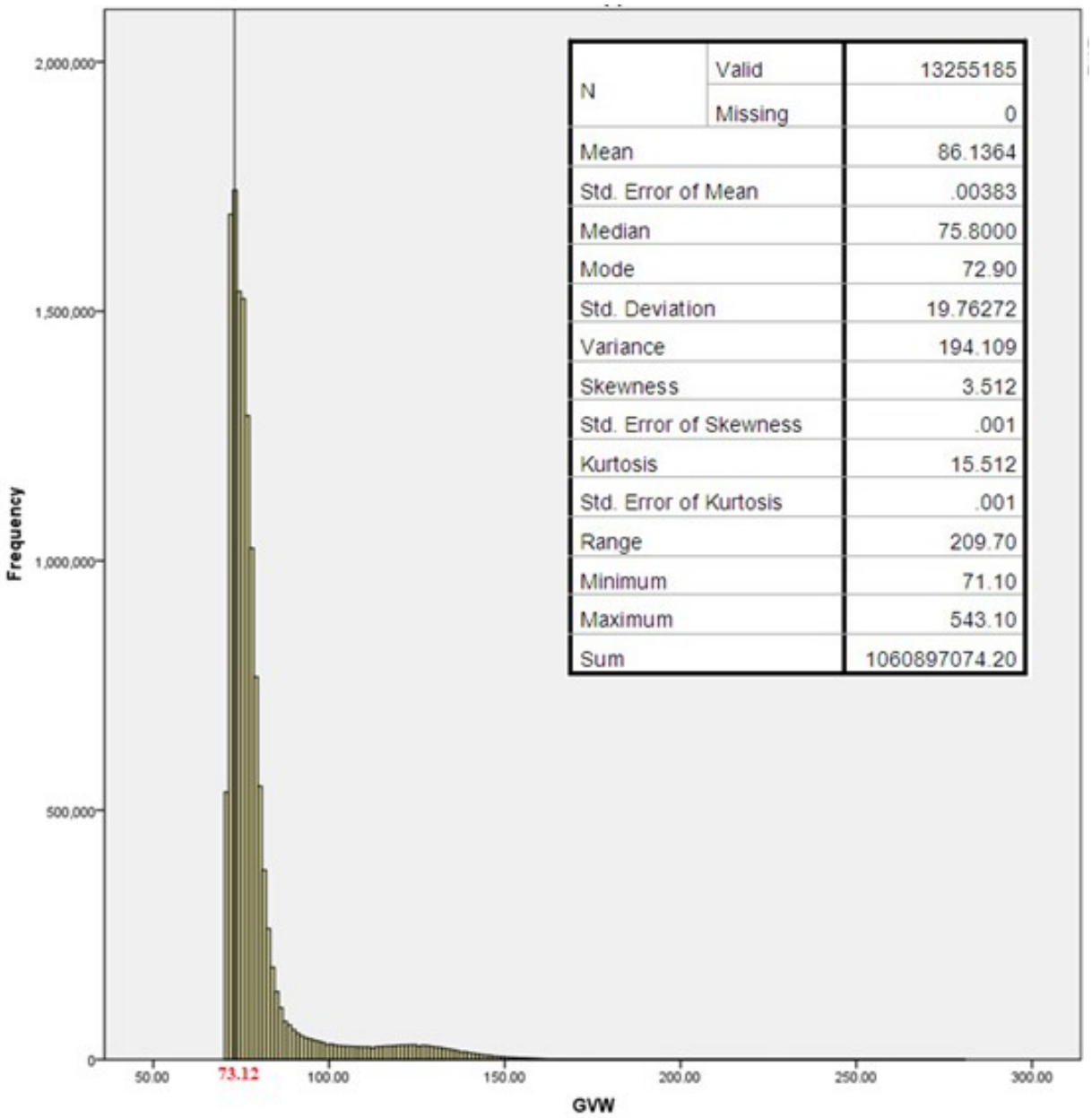
N	Valid	26106044
	Missing	0
Mean		42.0106
Std. Error of Mean		.00808
Median		29.7000
Mode		1.90
Std. Deviation		41.30058
Variance		1705.738
Skewness		2.716
Std. Error of Skewness		.000
Kurtosis		16.917
Std. Error of Kurtosis		.001
Range		654.30
Minimum		1.00
Maximum		655.30
Sum		1096730413.00

Figure B3. Frequency Histogram for Incorrect Data.



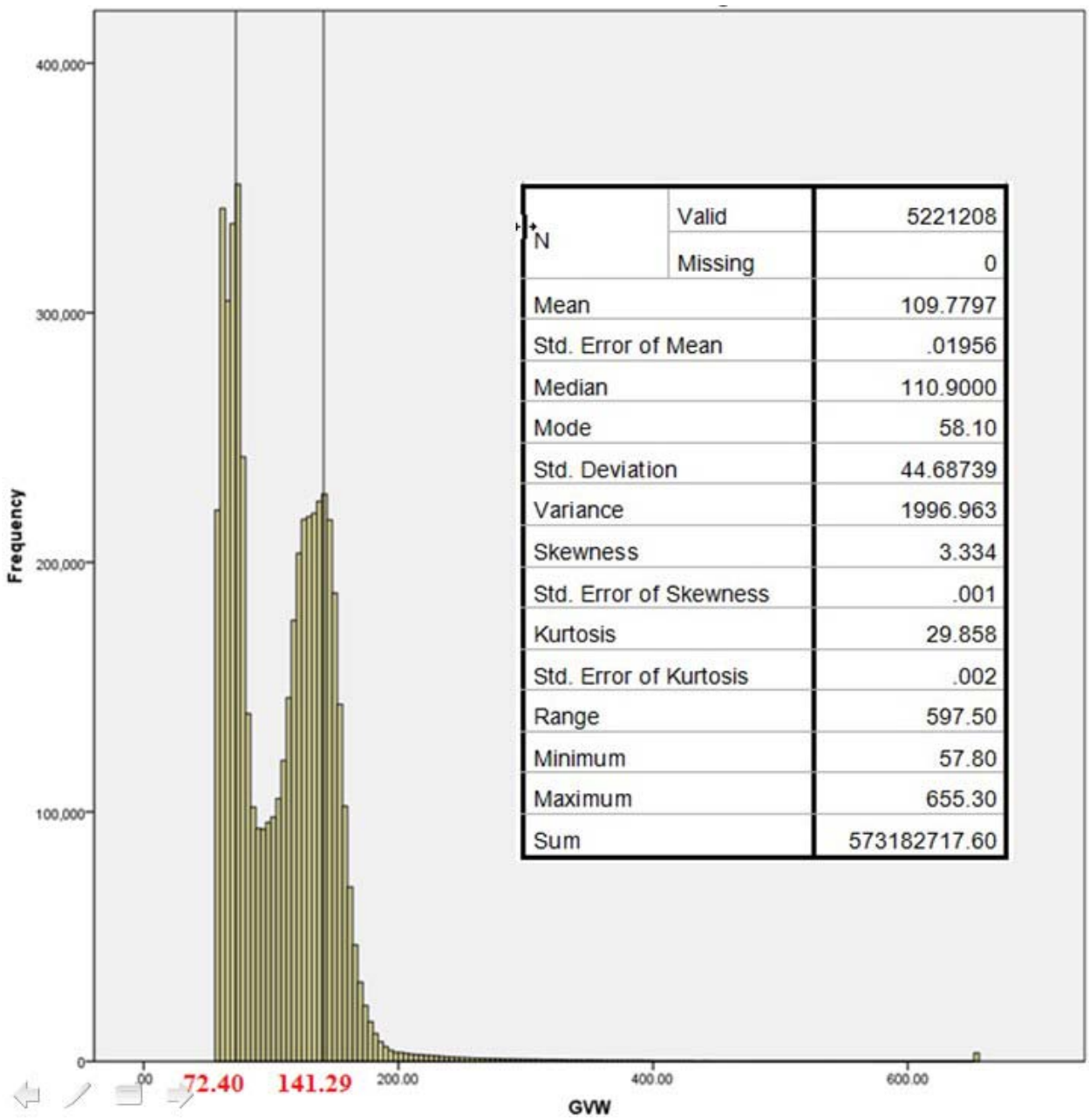
N	Valid	18352767
	Missing	0
Mean		88.6514
Std. Error of Mean		.00683
Median		76.7000
Mode		72.90
Std. Deviation		29.27100
Variance		856.791
Skewness		5.015
Std. Error of Skewness		.001
Kurtosis		60.002
Std. Error of Kurtosis		.001
Range		585.00
Minimum		70.30
Maximum		655.30
Sum		1626998026.20

Figure B4. Frequency Histogram for Top 20% of All Data, Prior to Scrubbing.



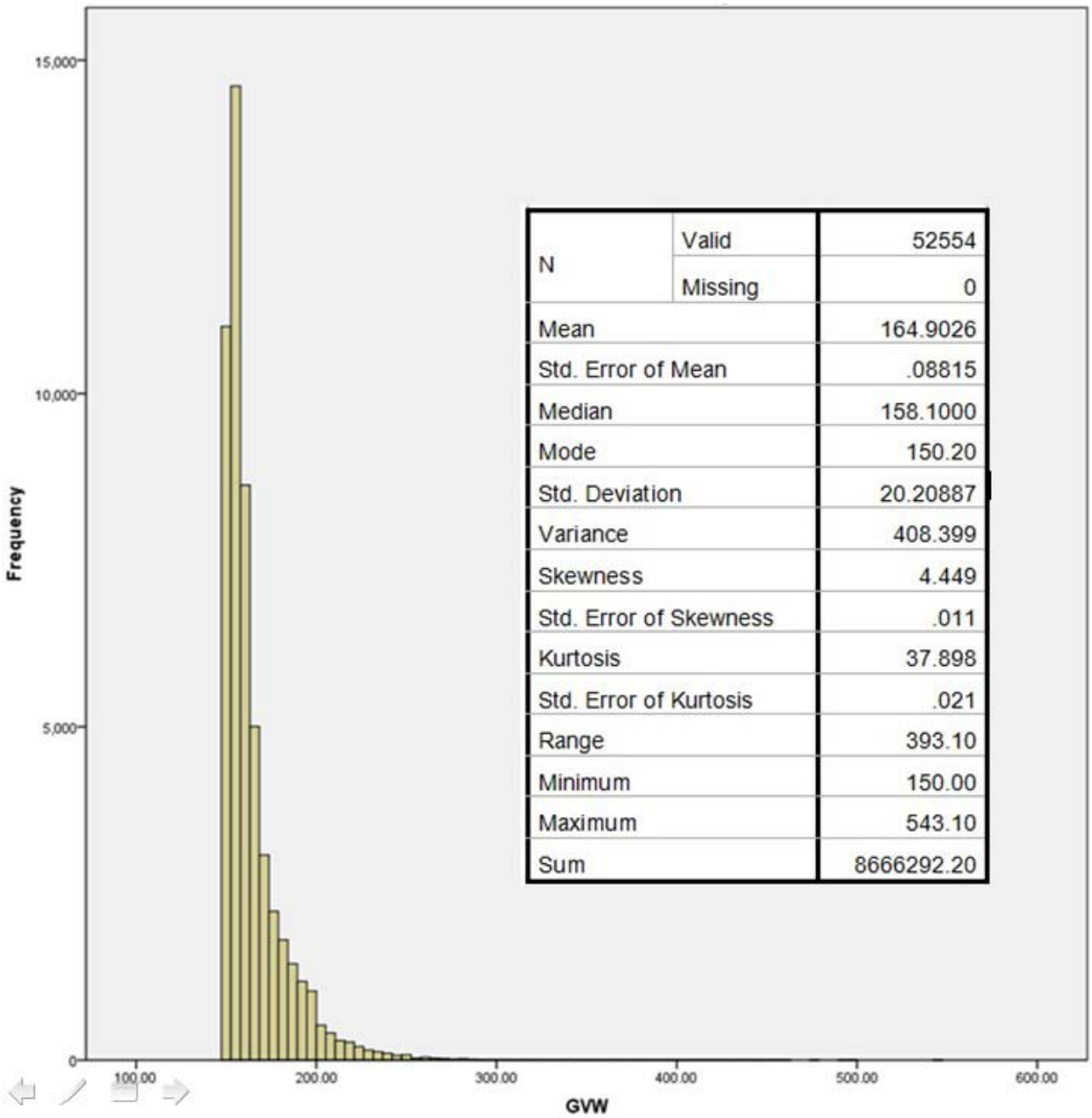
N	Valid	13255185
	Missing	0
Mean		86.1364
Std. Error of Mean		.00383
Median		75.8000
Mode		72.90
Std. Deviation		19.76272
Variance		194.109
Skewness		3.512
Std. Error of Skewness		.001
Kurtosis		15.512
Std. Error of Kurtosis		.001
Range		209.70
Minimum		71.10
Maximum		543.10
Sum		1060897074.20

Figure B5. Frequency Histogram for Top 20% of Correct Data.



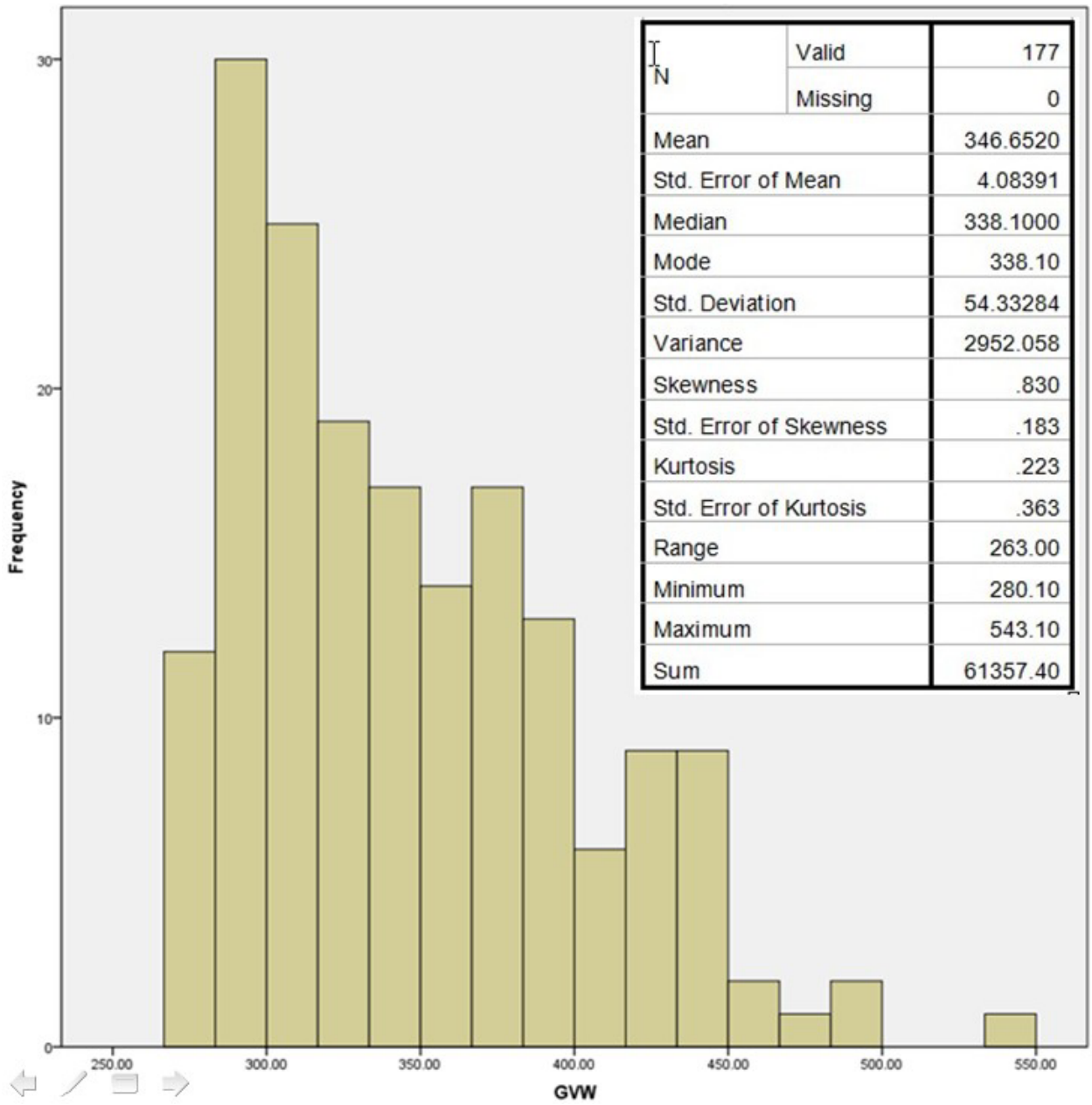
N	Valid	5221208
	Missing	0
Mean		109.7797
Std. Error of Mean		.01956
Median		110.9000
Mode		58.10
Std. Deviation		44.68739
Variance		1996.963
Skewness		3.334
Std. Error of Skewness		.001
Kurtosis		29.858
Std. Error of Kurtosis		.002
Range		597.50
Minimum		57.80
Maximum		655.30
Sum		573182717.60

Figure B6. Frequency Histogram for Top 20% of Incorrect Data.



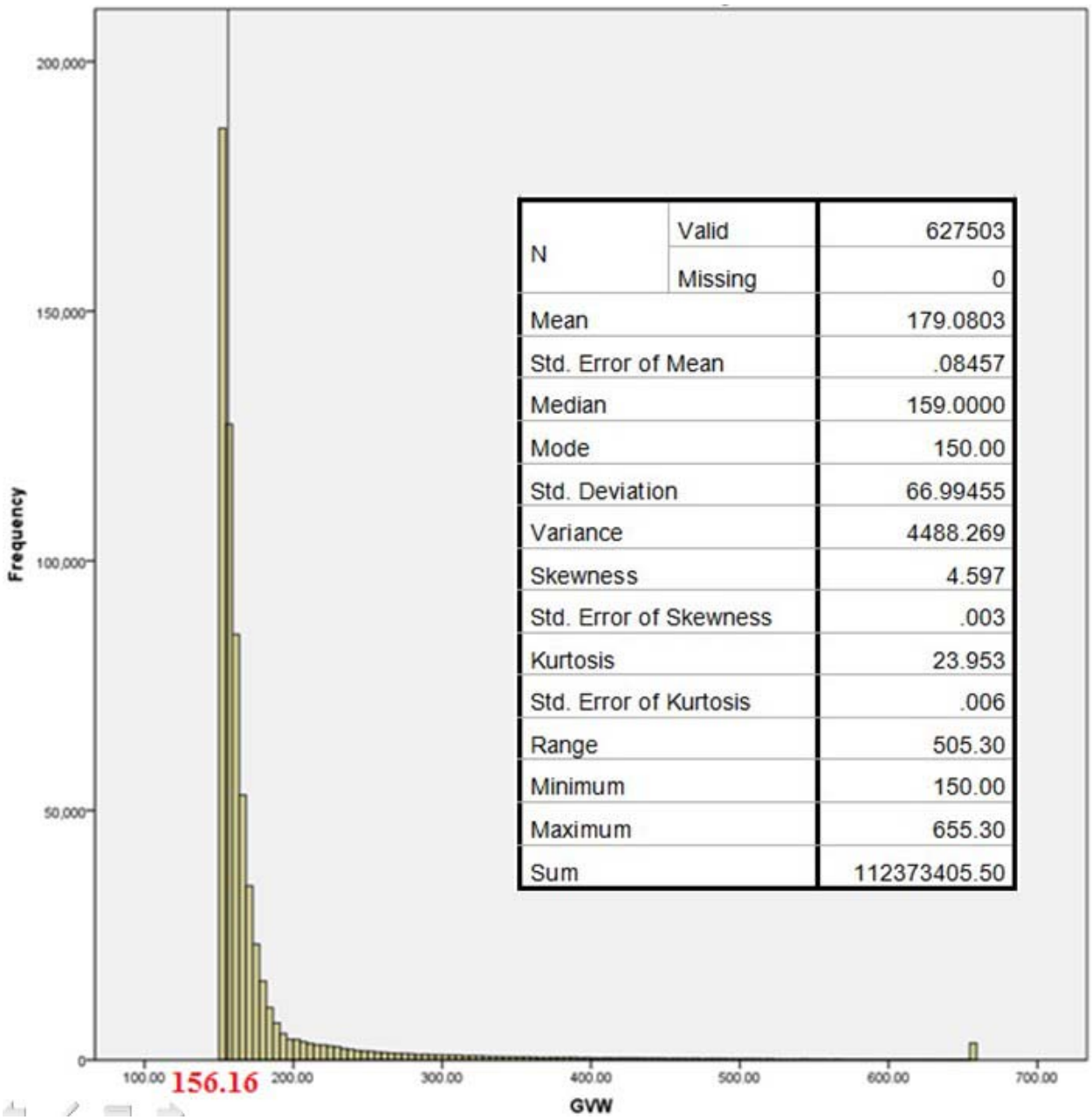
N	Valid	52554
	Missing	0
Mean		164.9026
Std. Error of Mean		.08815
Median		158.1000
Mode		150.20
Std. Deviation		20.20887
Variance		408.399
Skewness		4.449
Std. Error of Skewness		.011
Kurtosis		37.898
Std. Error of Kurtosis		.021
Range		393.10
Minimum		150.00
Maximum		543.10
Sum		8666292.20

Figure B7. Frequency Histogram for Correct Data over 150 kips.



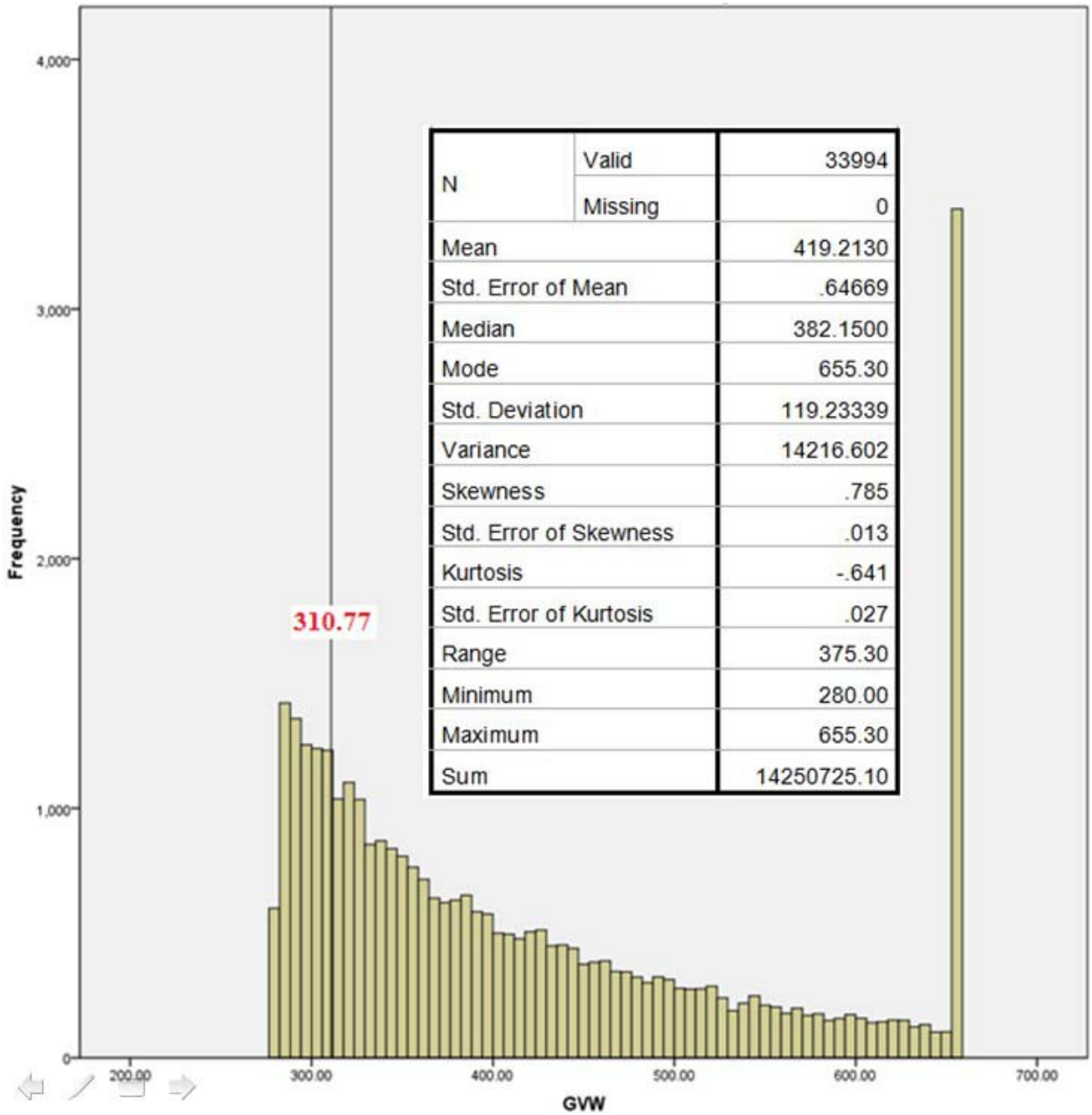
N	Valid	177
	Missing	0
Mean		346.6520
Std. Error of Mean		4.08391
Median		338.1000
Mode		338.10
Std. Deviation		54.33284
Variance		2952.058
Skewness		.830
Std. Error of Skewness		.183
Kurtosis		.223
Std. Error of Kurtosis		.363
Range		263.00
Minimum		280.10
Maximum		543.10
Sum		61357.40

Figure B8. Frequency Histogram for Correct Data over 280 kips.



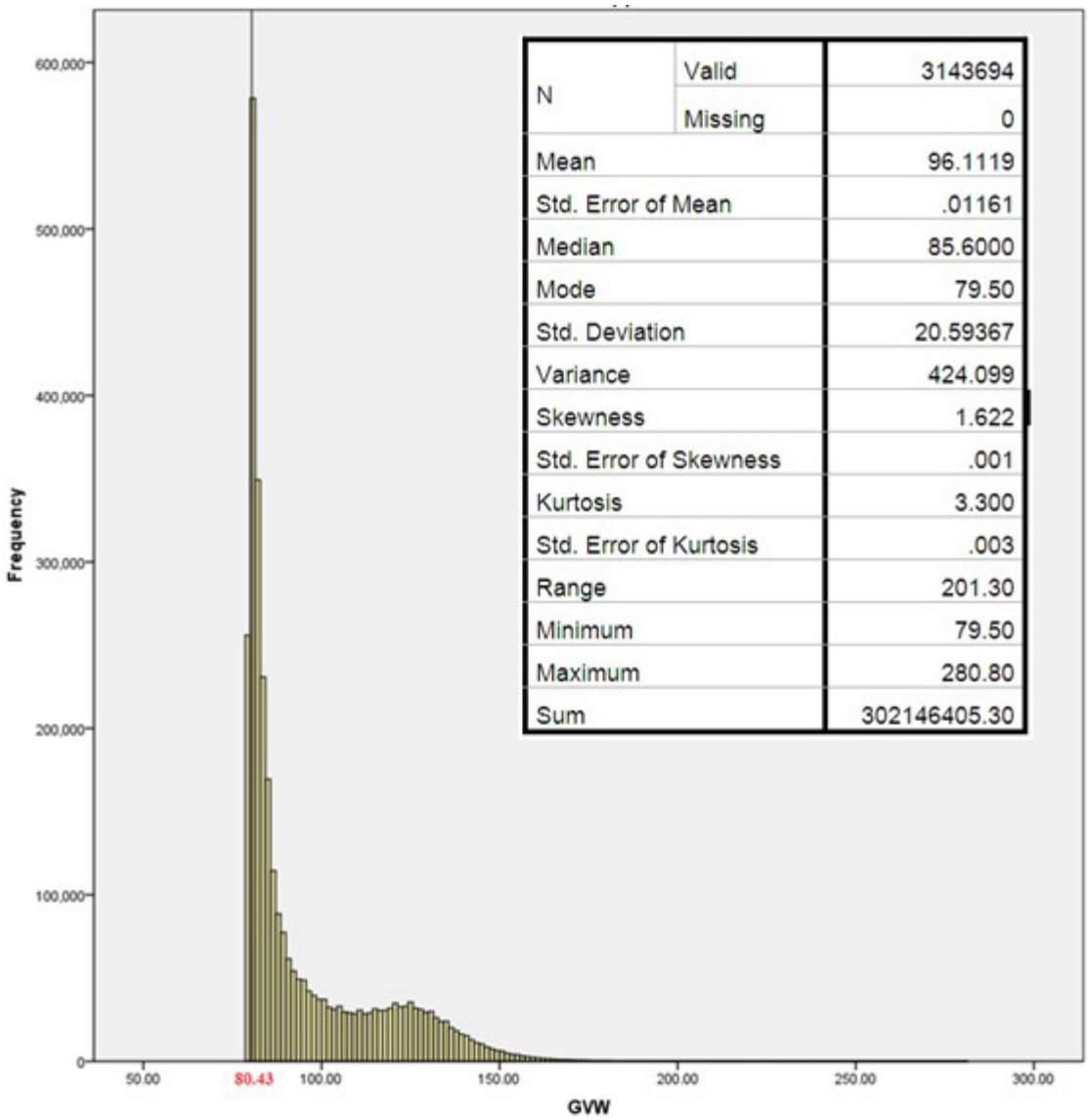
N	Valid	627503
	Missing	0
Mean		179.0803
Std. Error of Mean		.08457
Median		159.0000
Mode		150.00
Std. Deviation		66.99455
Variance		4488.269
Skewness		4.597
Std. Error of Skewness		.003
Kurtosis		23.953
Std. Error of Kurtosis		.006
Range		505.30
Minimum		150.00
Maximum		655.30
Sum		112373405.50

Figure B9. Frequency Histogram for Incorrect Data over 150 kips.



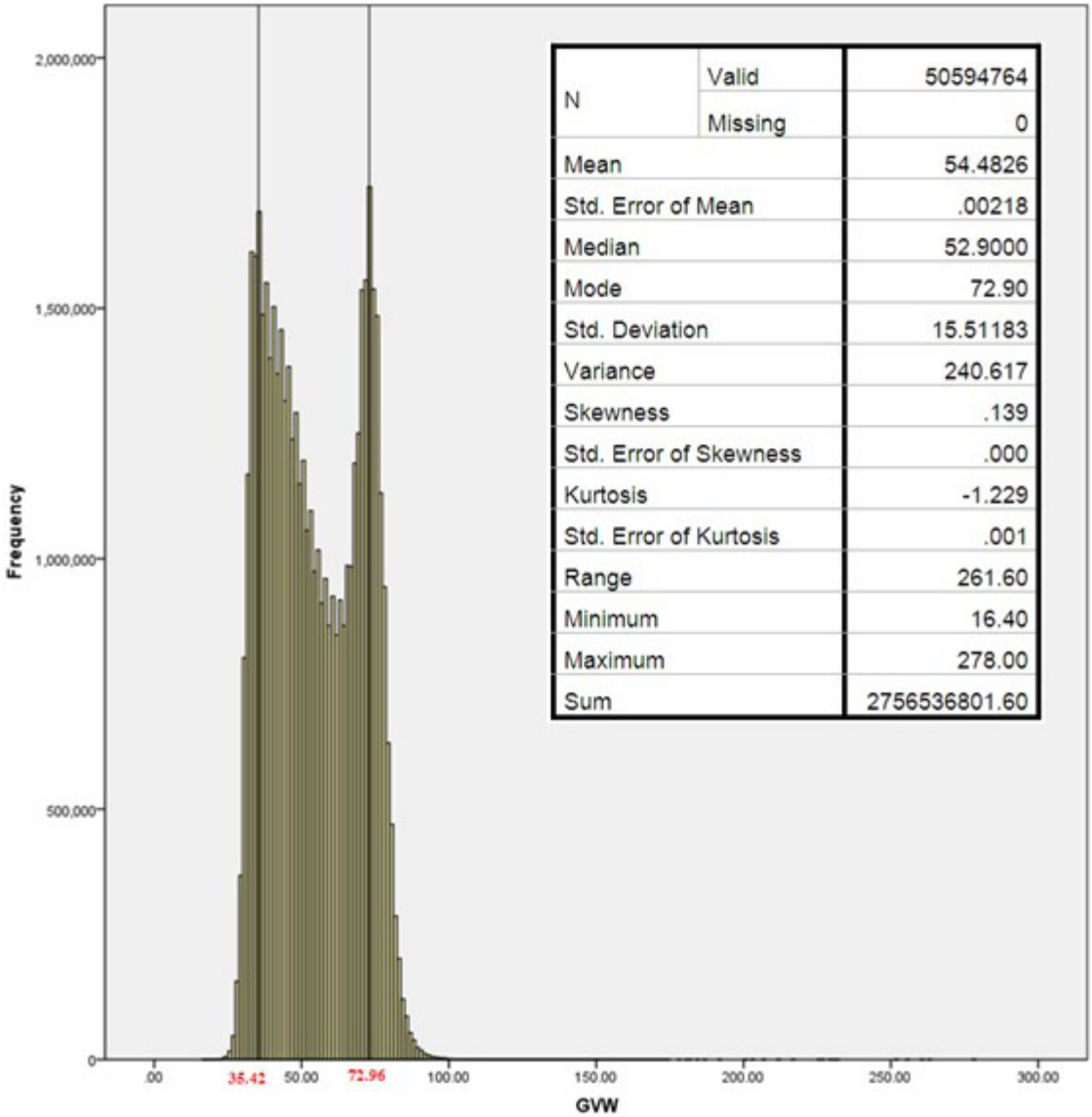
N	Valid	33994
	Missing	0
Mean		419.2130
Std. Error of Mean		.64669
Median		382.1500
Mode		655.30
Std. Deviation		119.23339
Variance		14216.602
Skewness		.785
Std. Error of Skewness		.013
Kurtosis		-.641
Std. Error of Kurtosis		.027
Range		375.30
Minimum		280.00
Maximum		655.30
Sum		14250725.10

Figure B10. Frequency Histogram for Incorrect Data over 280 kips.



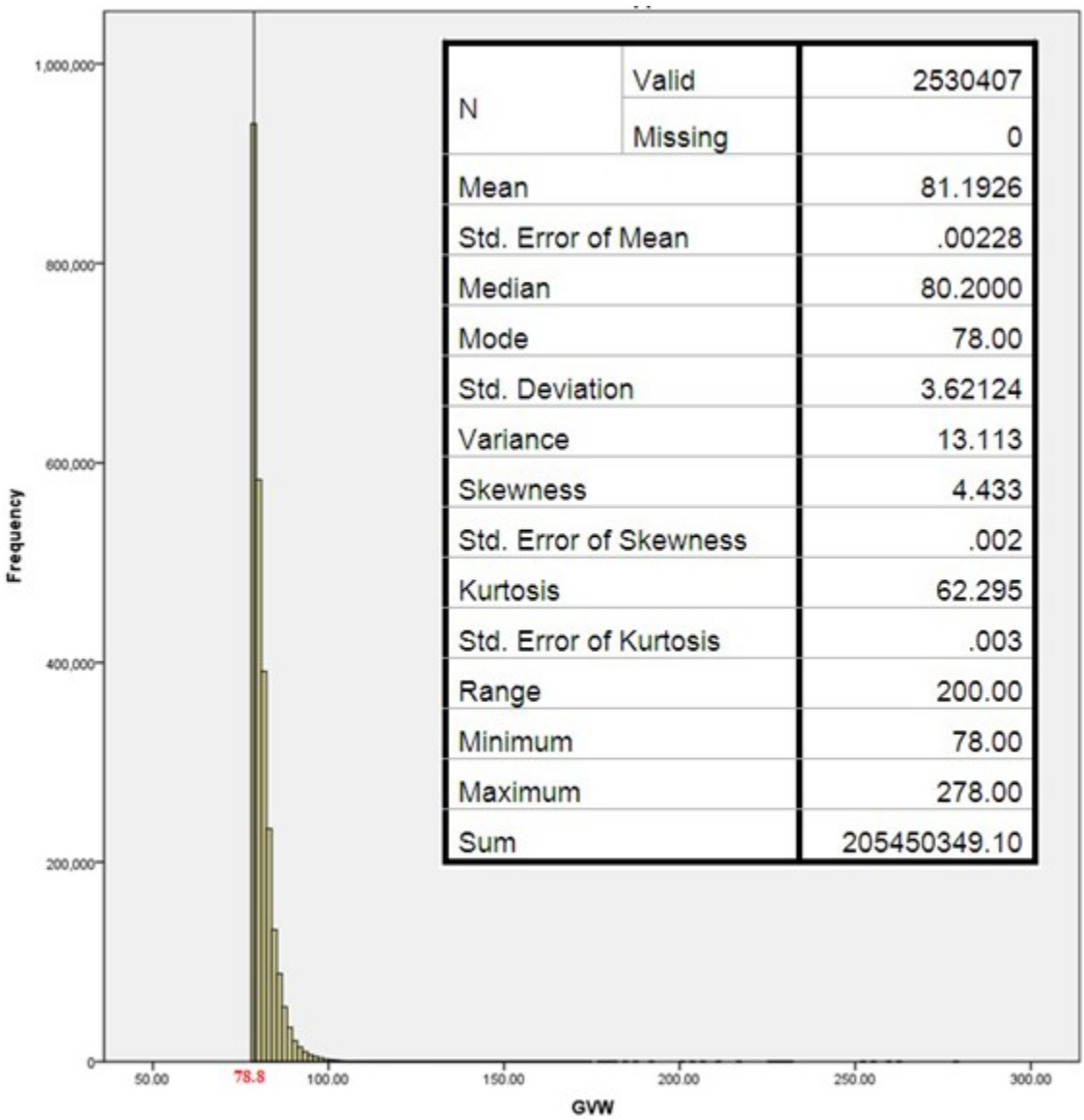
N	Valid	3143694
	Missing	0
Mean		96.1119
Std. Error of Mean		.01161
Median		85.6000
Mode		79.50
Std. Deviation		20.59367
Variance		424.099
Skewness		1.622
Std. Error of Skewness		.001
Kurtosis		3.300
Std. Error of Kurtosis		.003
Range		201.30
Minimum		79.50
Maximum		280.80
Sum		302146405.30

Figure B11. Frequency Histogram for Top 5% of Correct Data.



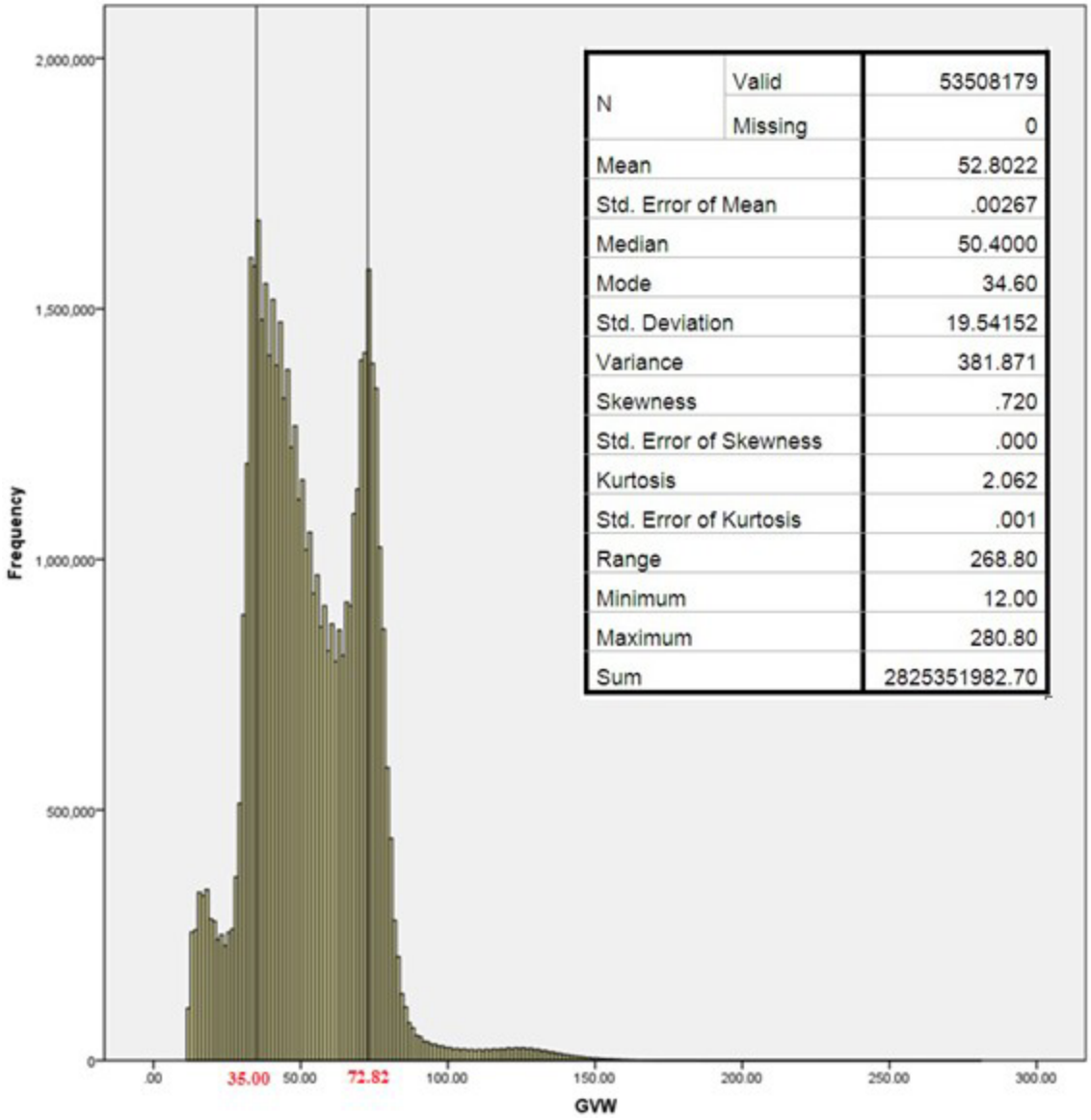
N	Valid	50594764
	Missing	0
Mean		54.4826
Std. Error of Mean		.00218
Median		52.9000
Mode		72.90
Std. Deviation		15.51183
Variance		240.617
Skewness		.139
Std. Error of Skewness		.000
Kurtosis		-1.229
Std. Error of Kurtosis		.001
Range		261.60
Minimum		16.40
Maximum		278.00
Sum		2756536801.60

Figure B12. Frequency Histogram for 5-axle Trucks (Correct Data).



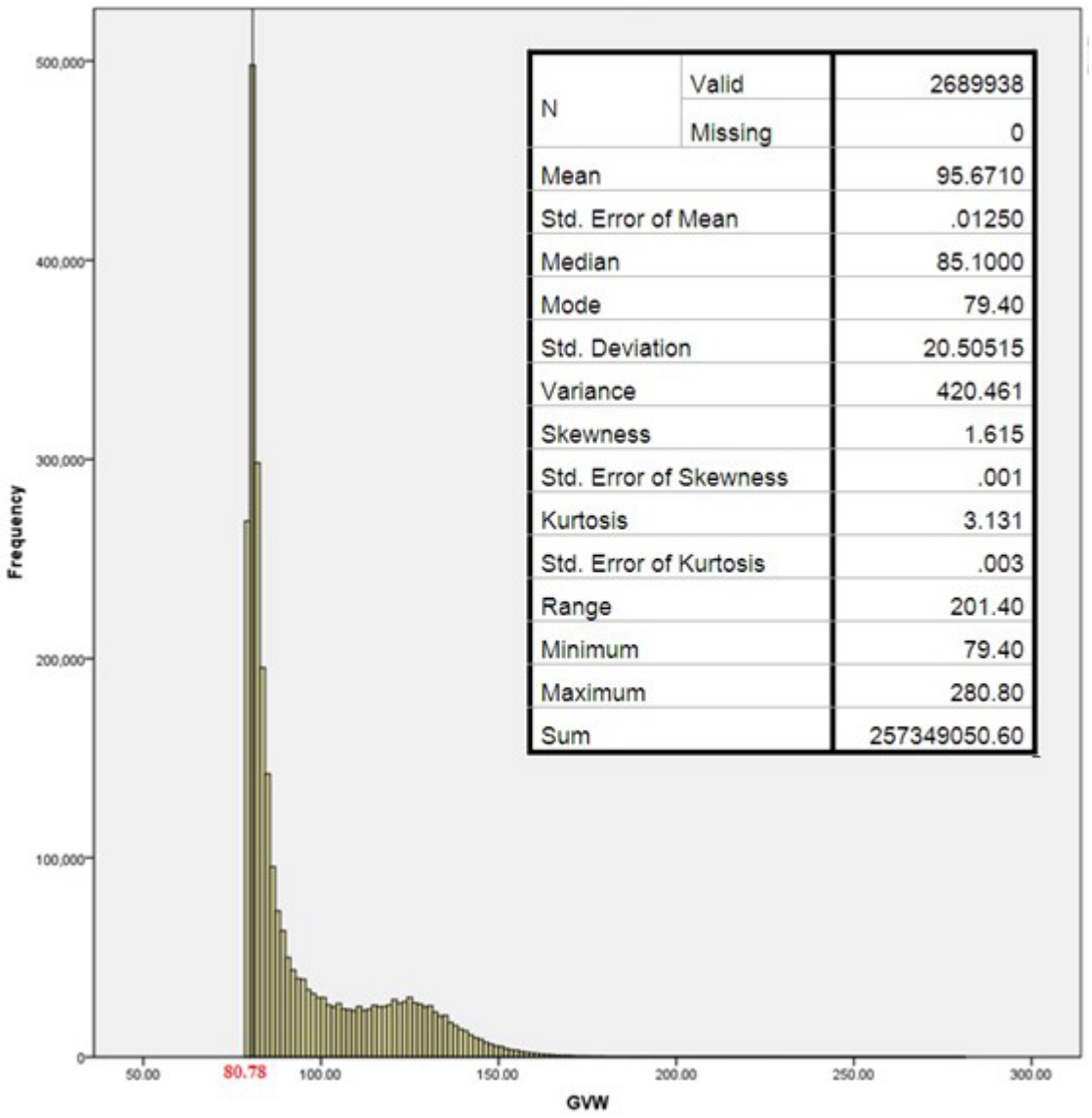
N	Valid	2530407
	Missing	0
Mean		81.1926
Std. Error of Mean		.00228
Median		80.2000
Mode		78.00
Std. Deviation		3.62124
Variance		13.113
Skewness		4.433
Std. Error of Skewness		.002
Kurtosis		62.295
Std. Error of Kurtosis		.003
Range		200.00
Minimum		78.00
Maximum		278.00
Sum		205450349.10

Figure B13. Frequency Histogram for Top 5% of 5-axle Trucks (Correct Data).



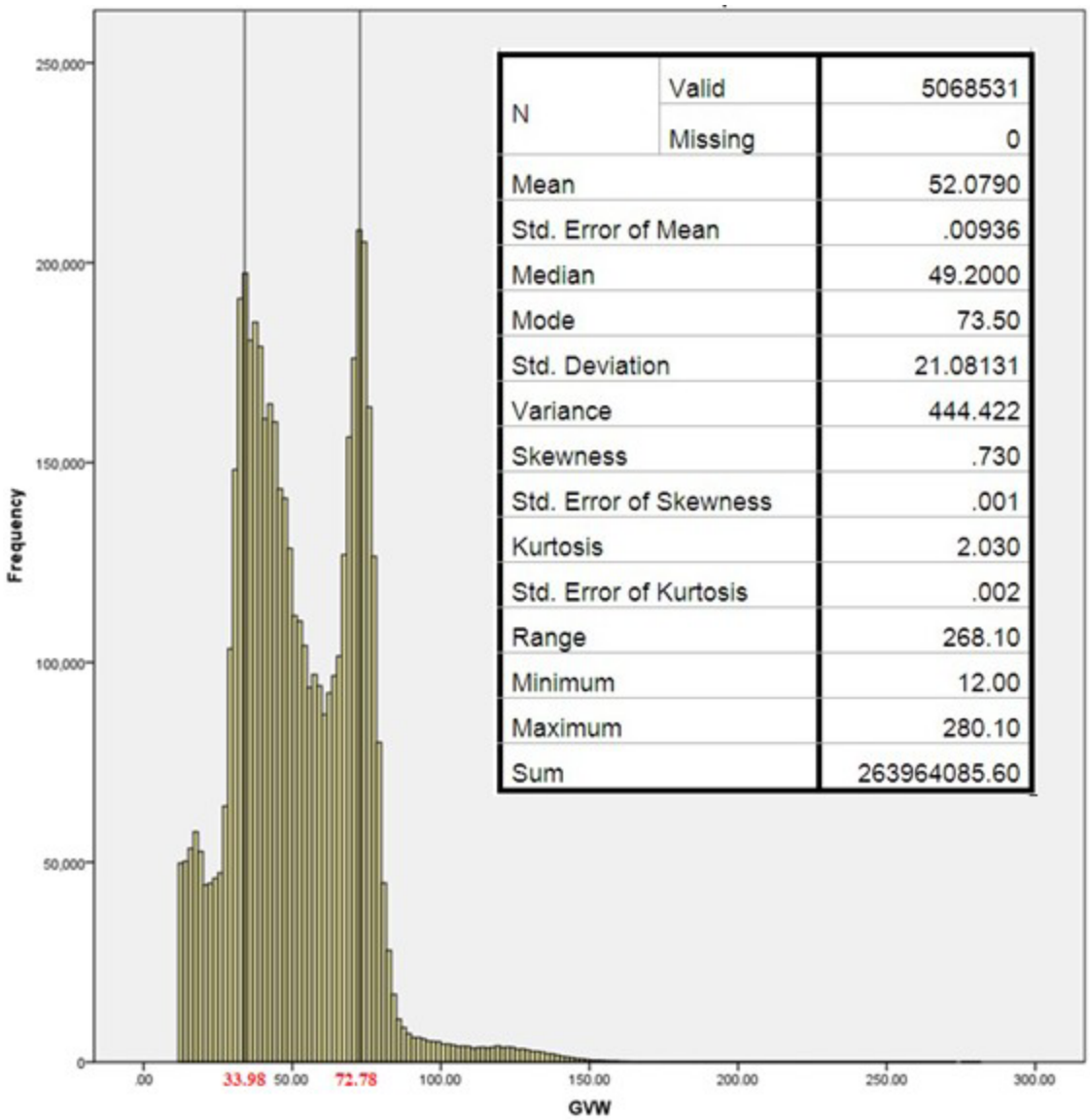
N	Valid	53508179
	Missing	0
Mean		52.8022
Std. Error of Mean		.00267
Median		50.4000
Mode		34.60
Std. Deviation		19.54152
Variance		381.871
Skewness		.720
Std. Error of Skewness		.000
Kurtosis		2.062
Std. Error of Kurtosis		.001
Range		268.80
Minimum		12.00
Maximum		280.80
Sum		2825351982.70

Figure B14. Frequency Histogram for Interstate WIM Stations (Correct Data).



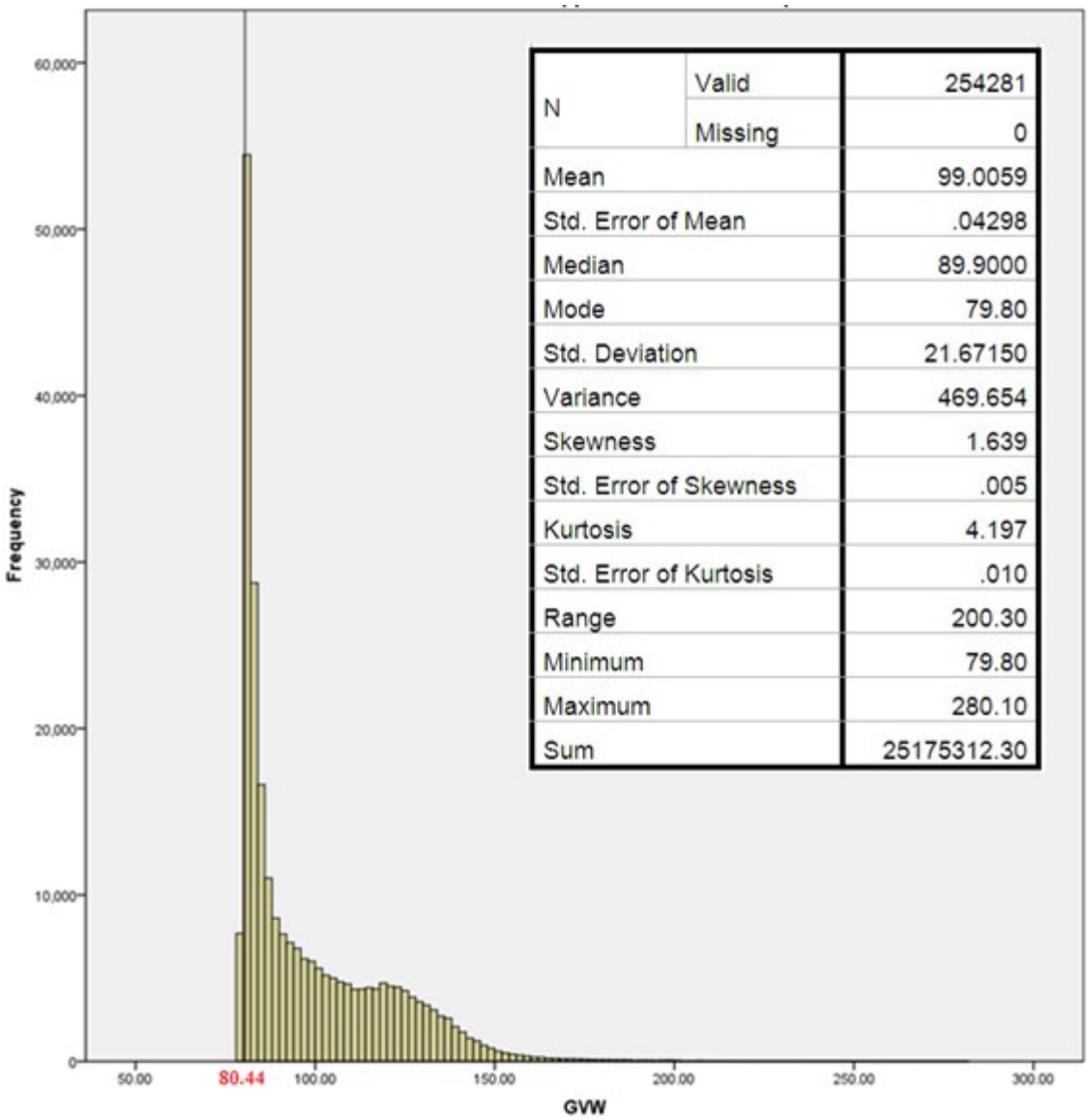
N	Valid	2689938
	Missing	0
Mean		95.6710
Std. Error of Mean		.01250
Median		85.1000
Mode		79.40
Std. Deviation		20.50515
Variance		420.461
Skewness		1.615
Std. Error of Skewness		.001
Kurtosis		3.131
Std. Error of Kurtosis		.003
Range		201.40
Minimum		79.40
Maximum		280.80
Sum		257349050.60

Figure B15. Frequency Histogram for Top 5% of Interstate WIM Stations (Correct Data).



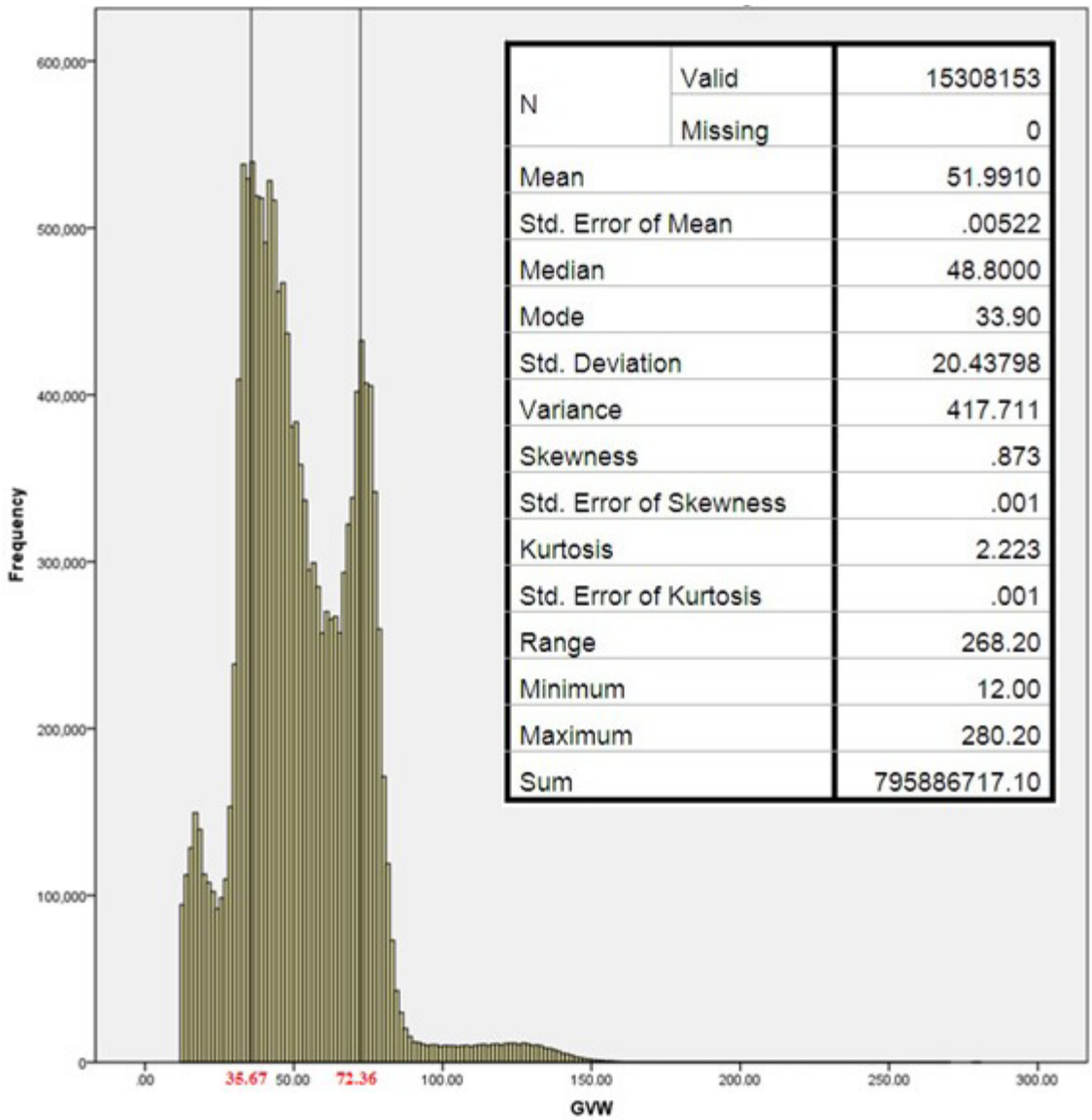
N	Valid	5068531
	Missing	0
Mean		52.0790
Std. Error of Mean		.00936
Median		49.2000
Mode		73.50
Std. Deviation		21.08131
Variance		444.422
Skewness		.730
Std. Error of Skewness		.001
Kurtosis		2.030
Std. Error of Kurtosis		.002
Range		268.10
Minimum		12.00
Maximum		280.10
Sum		263964085.60

Figure B16. Frequency Histogram for Other Principal Arterial WIM Stations (Correct Data).



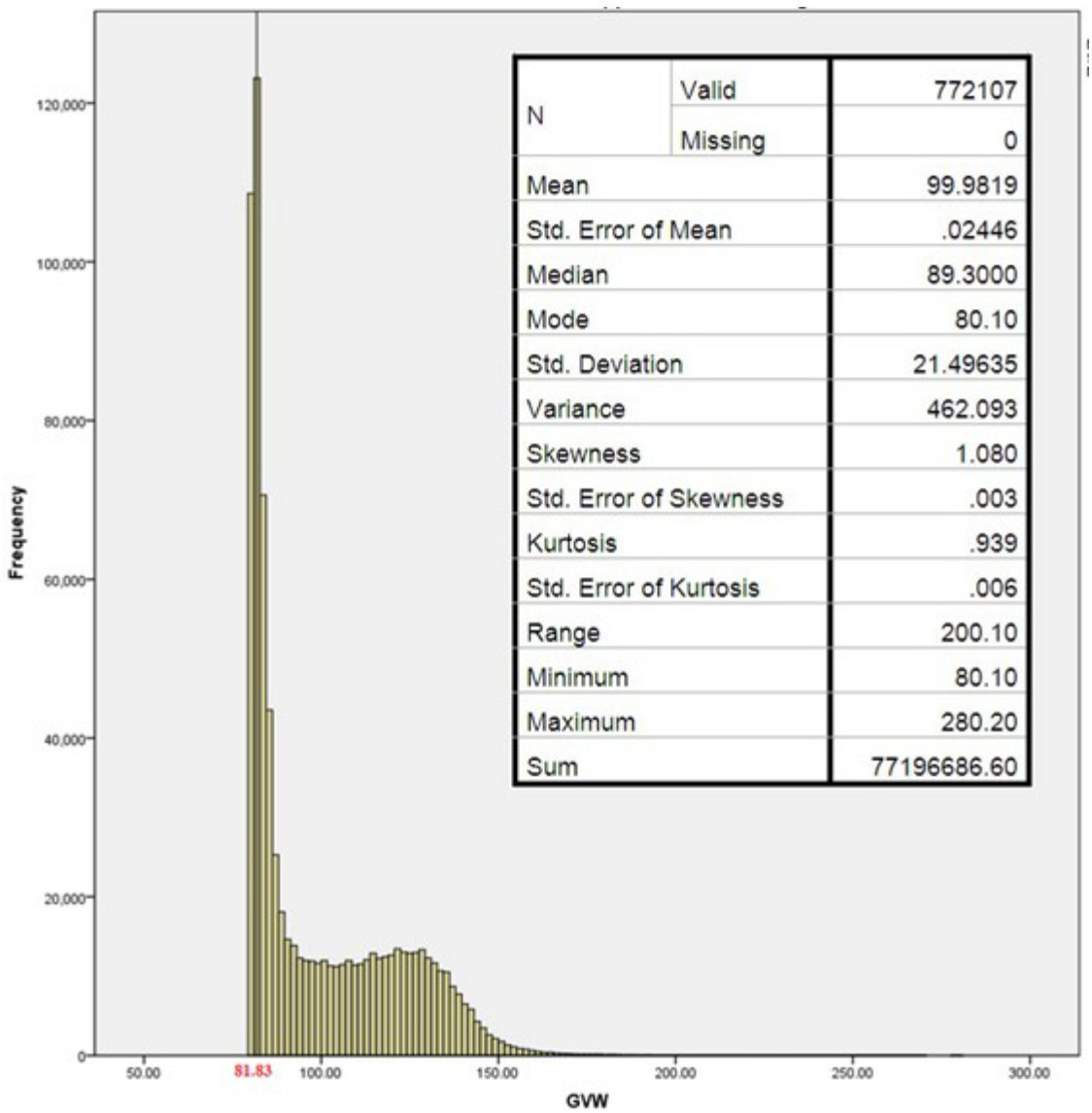
N	Valid	254281
	Missing	0
Mean		99.0059
Std. Error of Mean		.04298
Median		89.9000
Mode		79.80
Std. Deviation		21.67150
Variance		469.654
Skewness		1.639
Std. Error of Skewness		.005
Kurtosis		4.197
Std. Error of Kurtosis		.010
Range		200.30
Minimum		79.80
Maximum		280.10
Sum		25175312.30

Figure B17. Frequency Histogram for Top 5% of Other Principal Arterial WIM Stations (Correct Data).



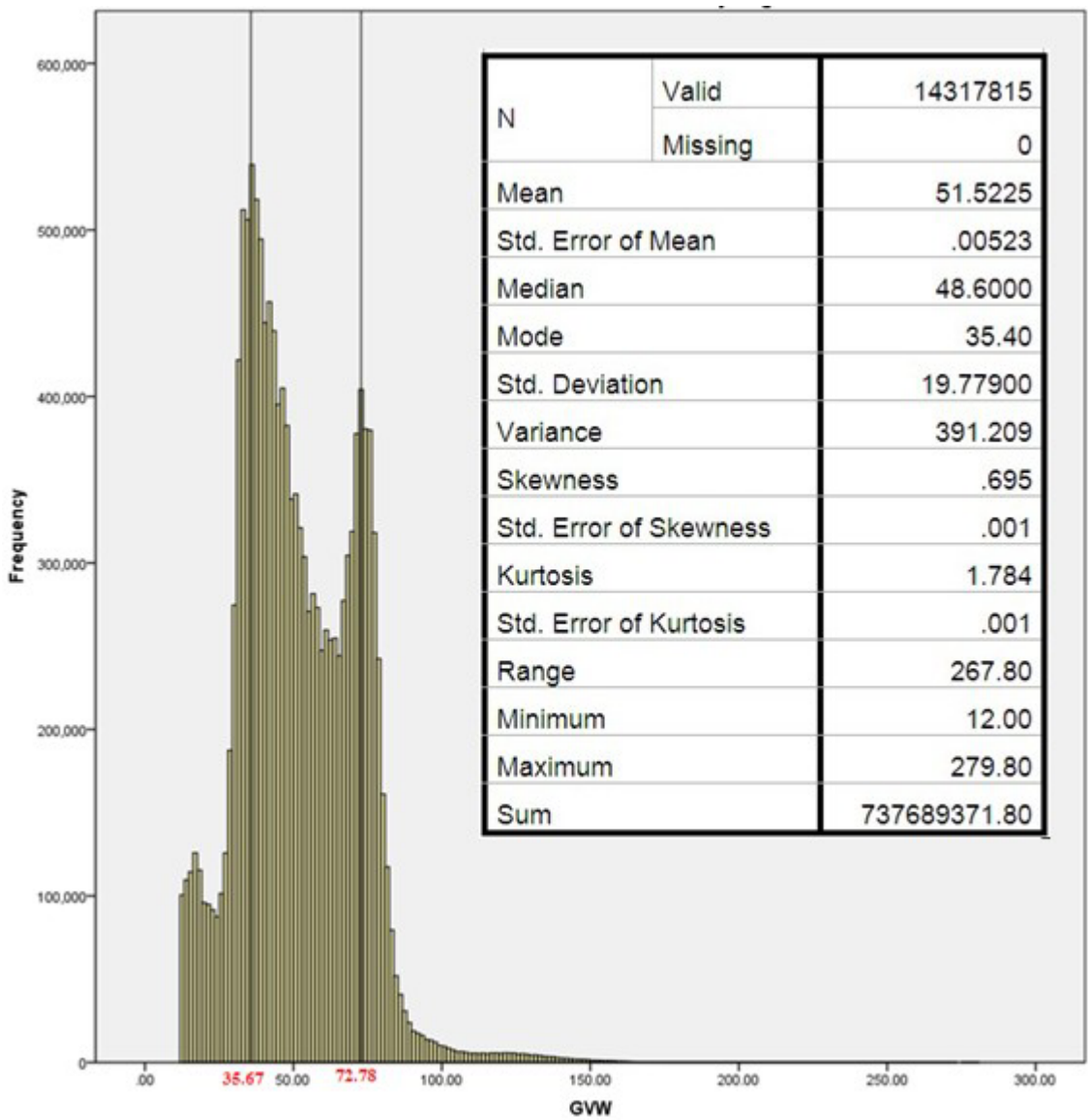
N	Valid	15308153
	Missing	0
Mean		51.9910
Std. Error of Mean		.00522
Median		48.8000
Mode		33.90
Std. Deviation		20.43798
Variance		417.711
Skewness		.873
Std. Error of Skewness		.001
Kurtosis		2.223
Std. Error of Kurtosis		.001
Range		268.20
Minimum		12.00
Maximum		280.20
Sum		795886717.10

Figure B18. Frequency Histogram for Metro Region WIM Stations (Correct Data).



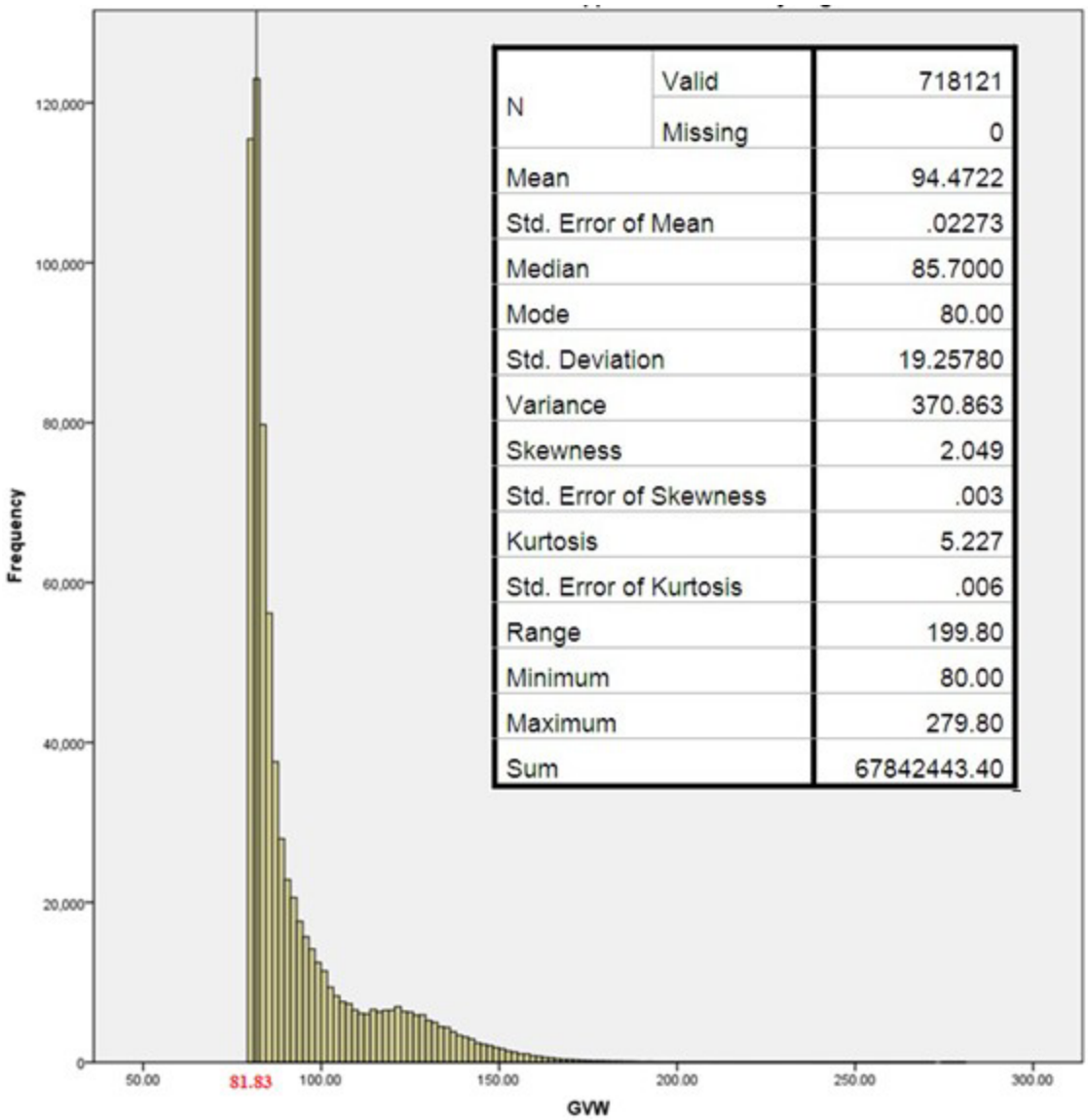
N	Valid	772107
	Missing	0
Mean		99.9819
Std. Error of Mean		.02446
Median		89.3000
Mode		80.10
Std. Deviation		21.49635
Variance		462.093
Skewness		1.080
Std. Error of Skewness		.003
Kurtosis		.939
Std. Error of Kurtosis		.006
Range		200.10
Minimum		80.10
Maximum		280.20
Sum		77196686.60

Figure B19. Frequency Histogram for Top 5% of Metro Region WIM Stations (Correct Data).



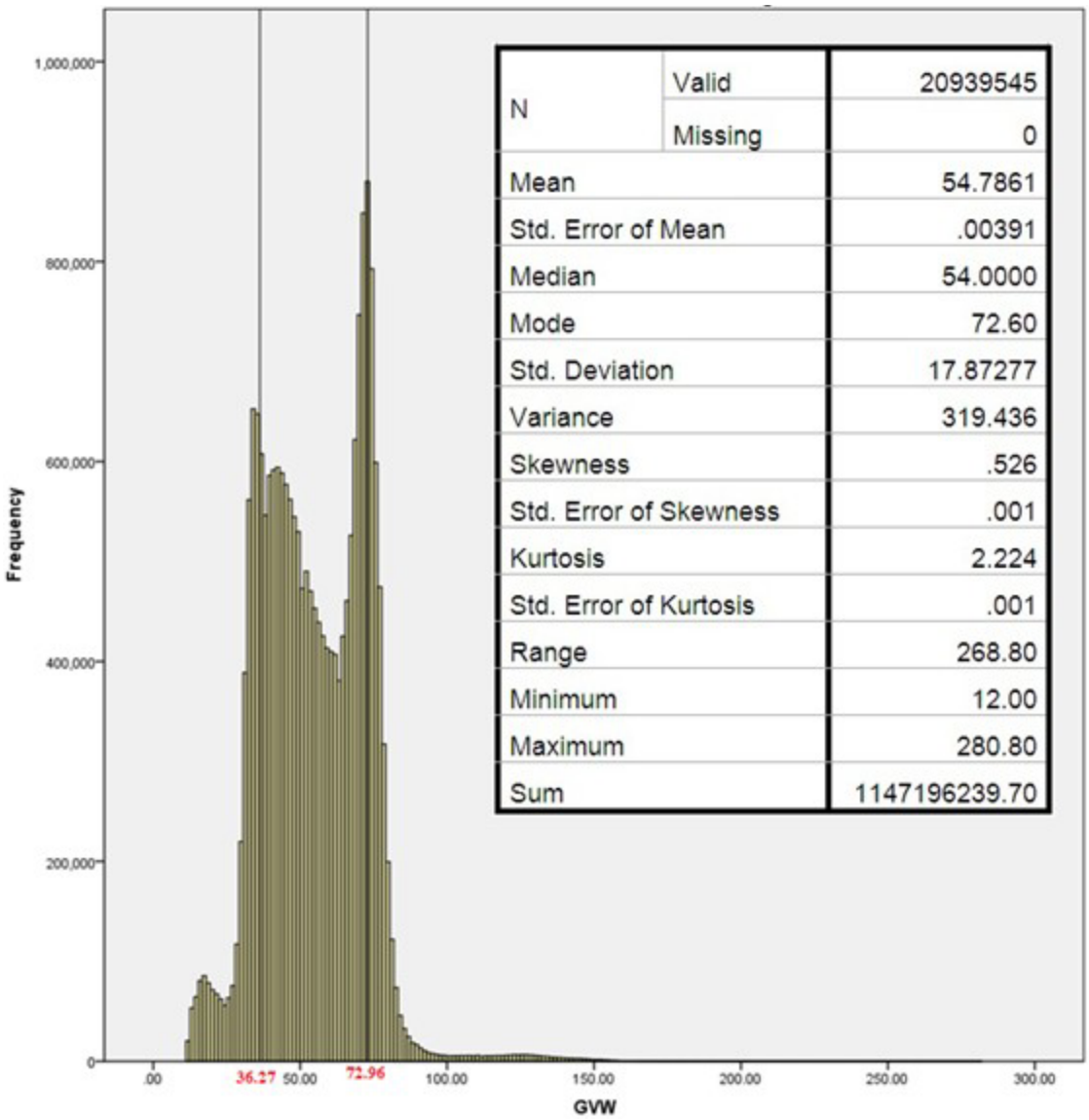
N	Valid	14317815
	Missing	0
Mean		51.5225
Std. Error of Mean		.00523
Median		48.6000
Mode		35.40
Std. Deviation		19.77900
Variance		391.209
Skewness		.695
Std. Error of Skewness		.001
Kurtosis		1.784
Std. Error of Kurtosis		.001
Range		267.80
Minimum		12.00
Maximum		279.80
Sum		737689371.80

Figure B20. Frequency Histogram for University Region WIM Stations (Correct Data).



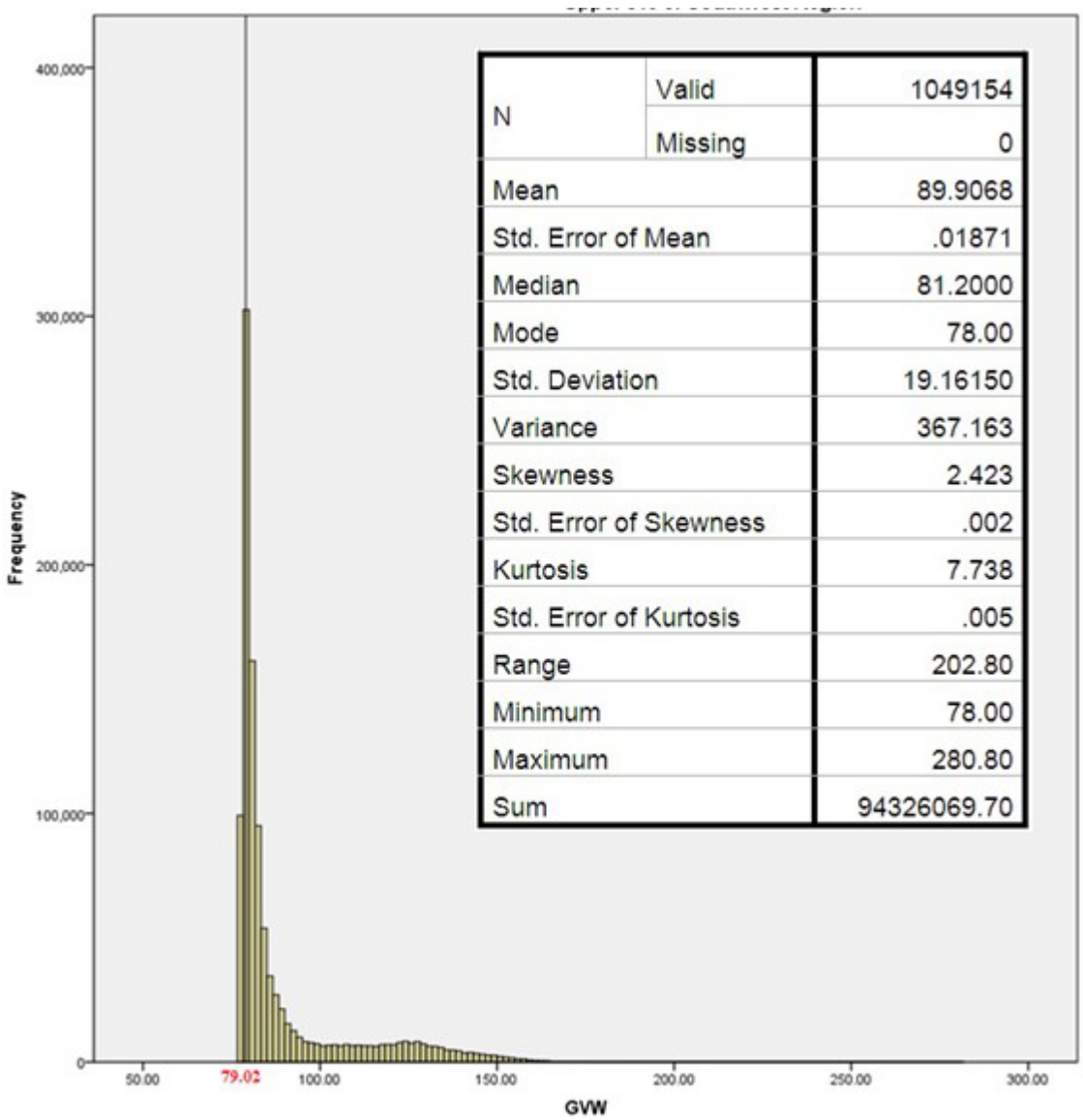
N	Valid	718121
	Missing	0
Mean		94.4722
Std. Error of Mean		.02273
Median		85.7000
Mode		80.00
Std. Deviation		19.25780
Variance		370.863
Skewness		2.049
Std. Error of Skewness		.003
Kurtosis		5.227
Std. Error of Kurtosis		.006
Range		199.80
Minimum		80.00
Maximum		279.80
Sum		67842443.40

Figure B21. Frequency Histogram for Top 5% of University Region WIM Stations (Correct Data).



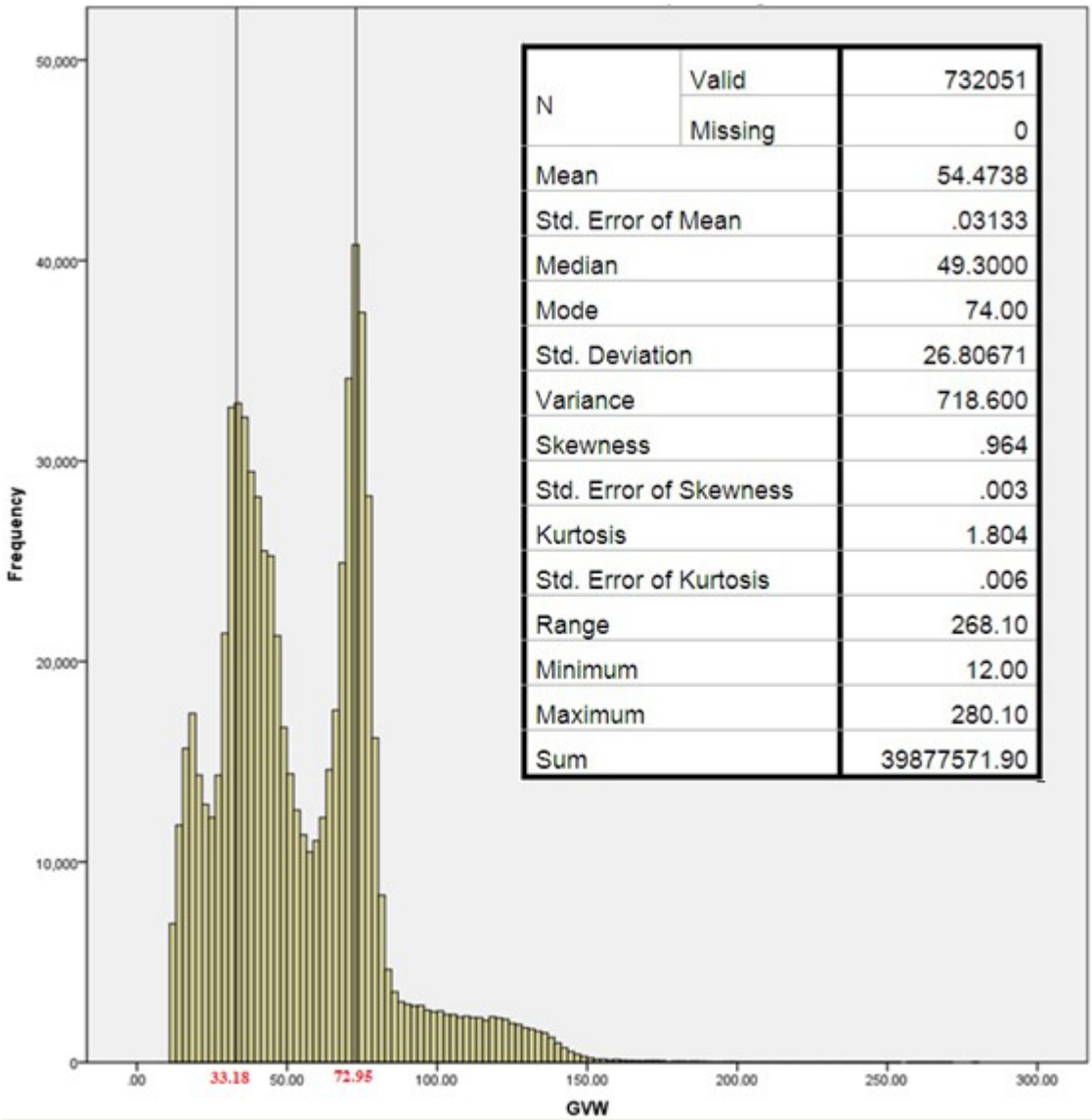
N	Valid	20939545
	Missing	0
Mean		54.7861
Std. Error of Mean		.00391
Median		54.0000
Mode		72.60
Std. Deviation		17.87277
Variance		319.436
Skewness		.526
Std. Error of Skewness		.001
Kurtosis		2.224
Std. Error of Kurtosis		.001
Range		268.80
Minimum		12.00
Maximum		280.80
Sum		1147196239.70

Figure B22. Frequency Histogram for Southwest Region WIM Stations (Correct Data).



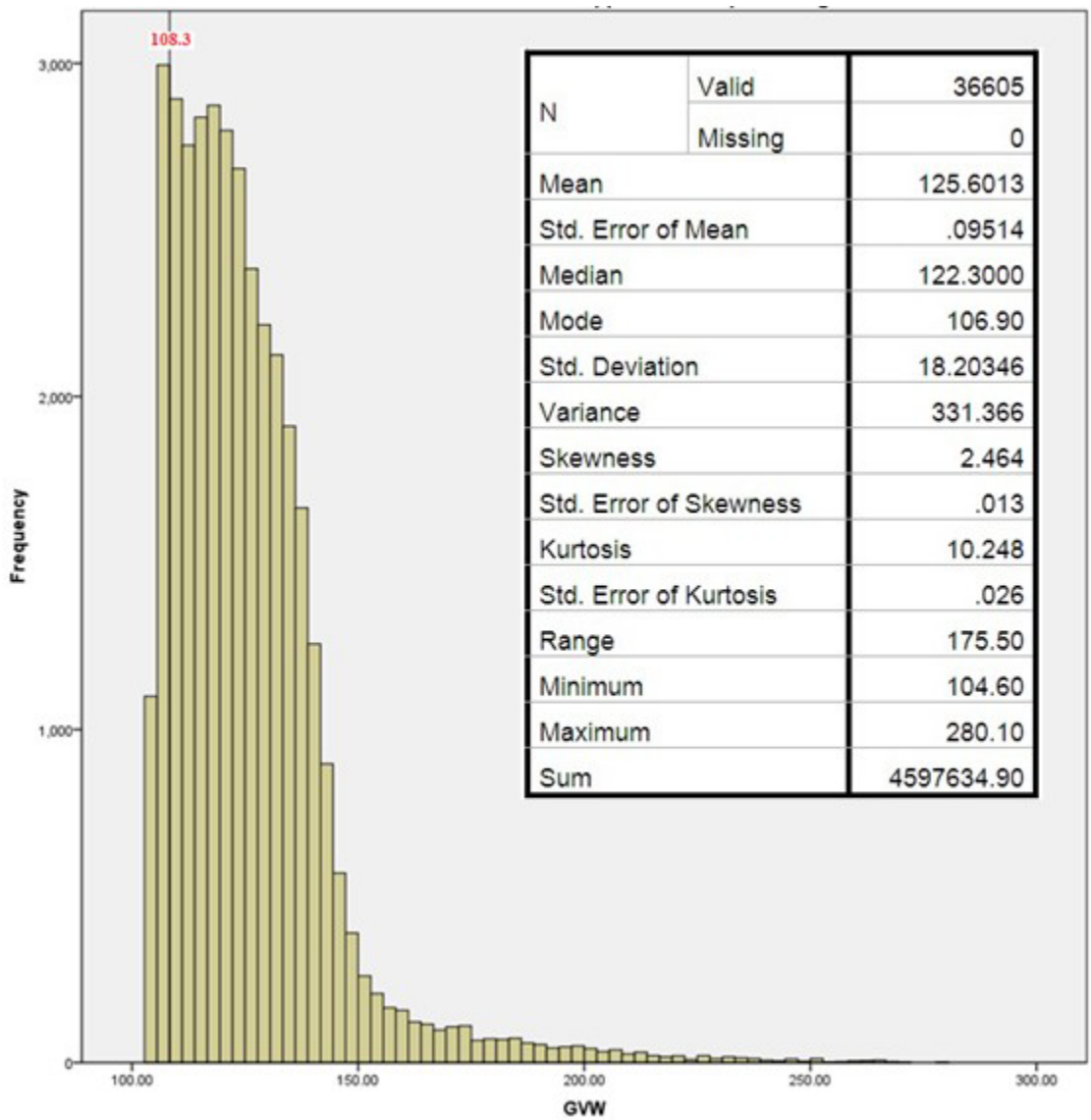
N	Valid	1049154
	Missing	0
Mean		89.9068
Std. Error of Mean		.01871
Median		81.2000
Mode		78.00
Std. Deviation		19.16150
Variance		367.163
Skewness		2.423
Std. Error of Skewness		.002
Kurtosis		7.738
Std. Error of Kurtosis		.005
Range		202.80
Minimum		78.00
Maximum		280.80
Sum		94326069.70

Figure B23. Frequency Histogram for Top 5% of Southwest Region WIM Stations (Correct Data).



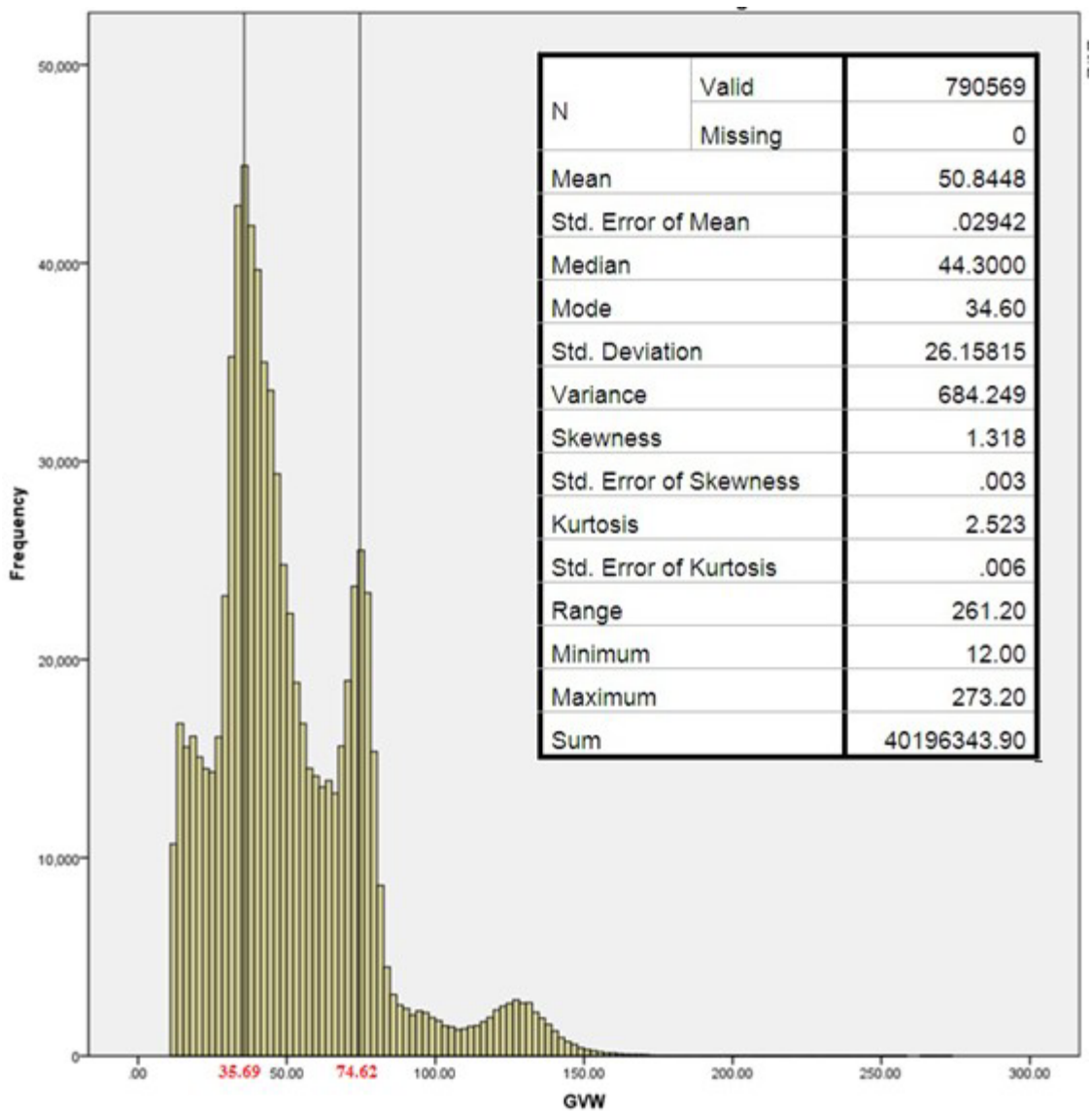
N	Valid	732051
	Missing	0
Mean		54.4738
Std. Error of Mean		.03133
Median		49.3000
Mode		74.00
Std. Deviation		26.80671
Variance		718.600
Skewness		.964
Std. Error of Skewness		.003
Kurtosis		1.804
Std. Error of Kurtosis		.006
Range		268.10
Minimum		12.00
Maximum		280.10
Sum		39877571.90

Figure B24. Frequency Histogram for Superior Region WIM Stations (Correct Data).



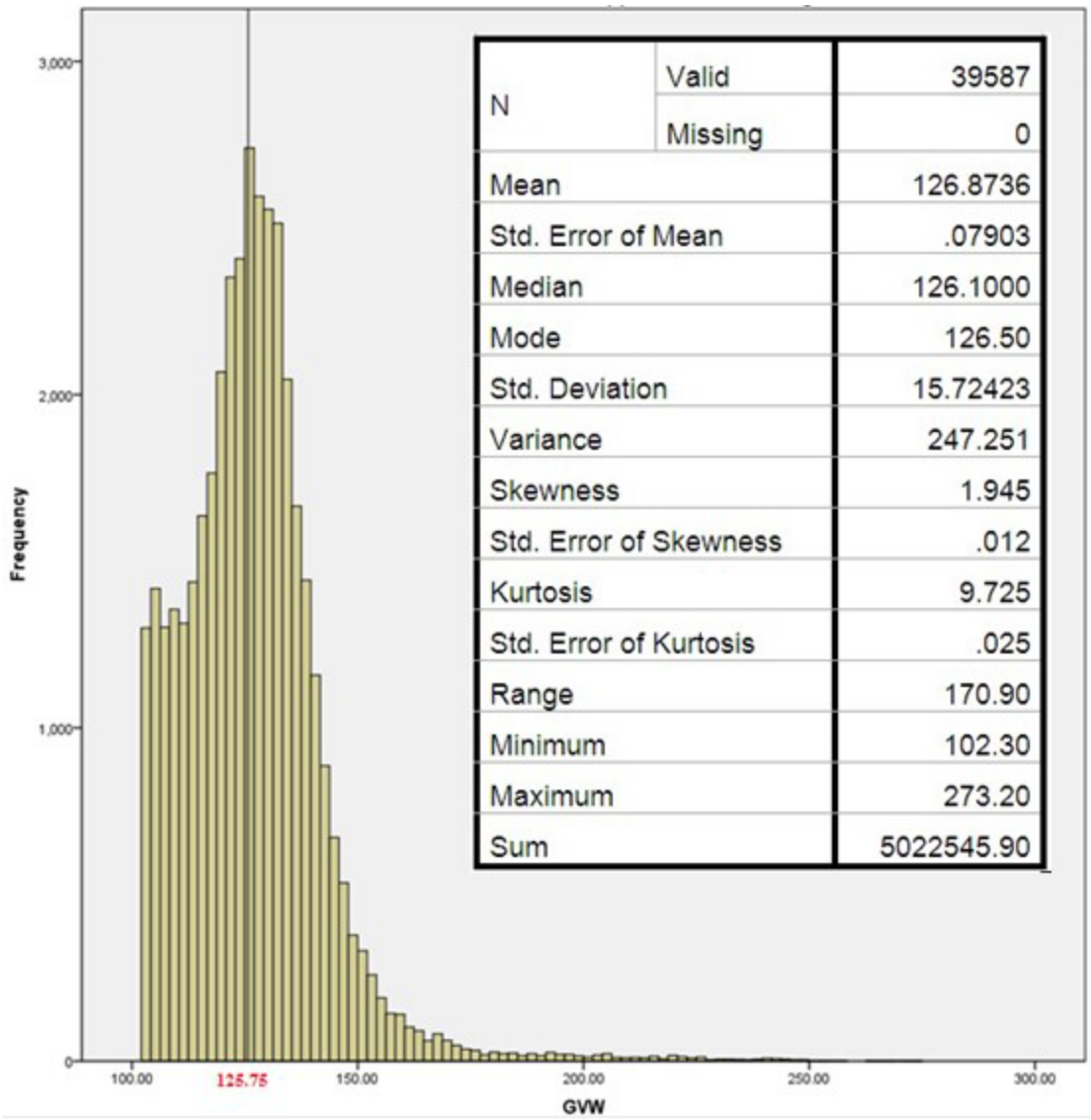
N	Valid	36605
	Missing	0
Mean		125.6013
Std. Error of Mean		.09514
Median		122.3000
Mode		106.90
Std. Deviation		18.20346
Variance		331.366
Skewness		2.464
Std. Error of Skewness		.013
Kurtosis		10.248
Std. Error of Kurtosis		.026
Range		175.50
Minimum		104.60
Maximum		280.10
Sum		4597634.90

Figure B25. Frequency Histogram for Top 5% of Superior Region WIM Stations (Correct Data).



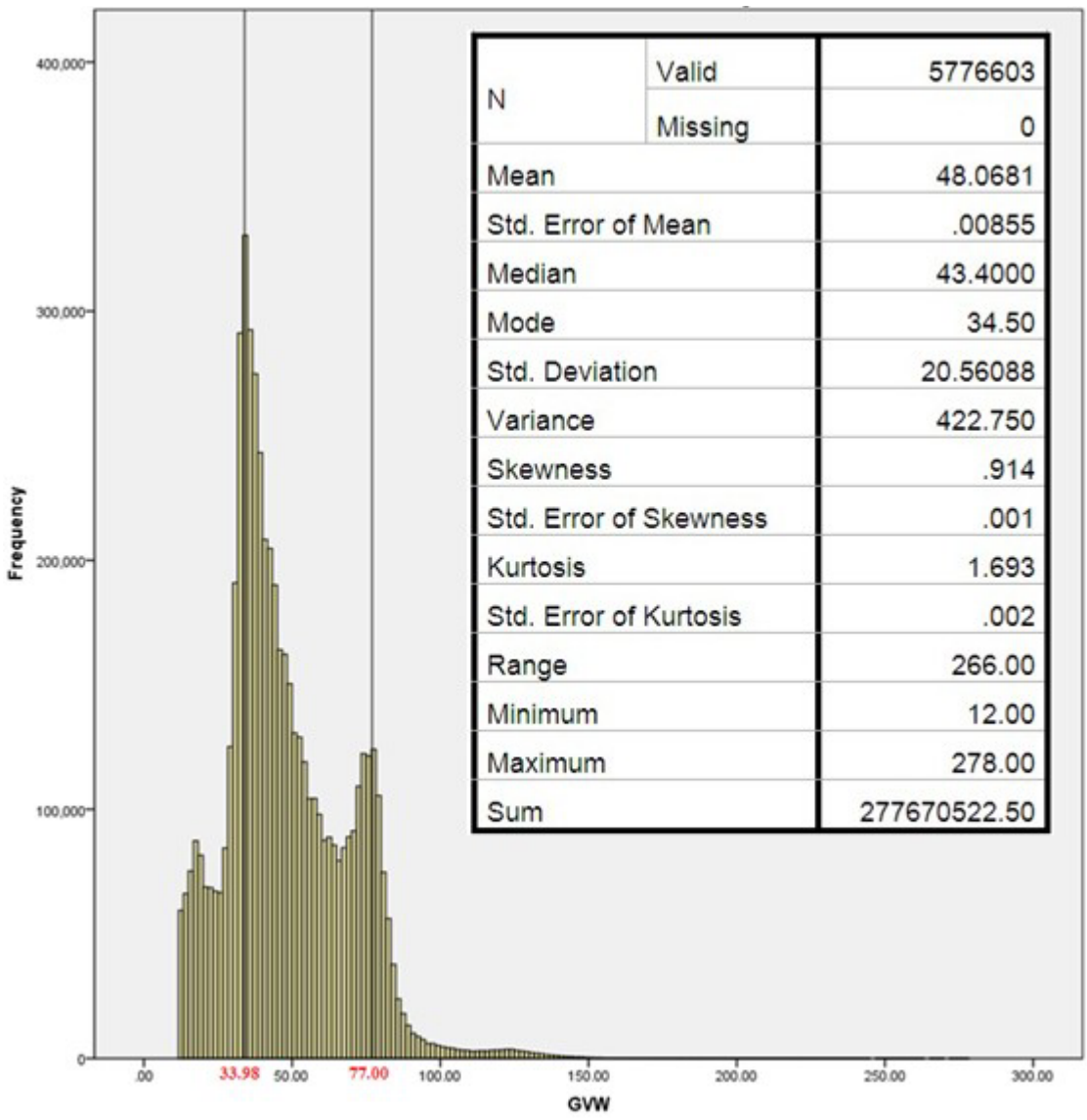
N	Valid	790569
	Missing	0
Mean		50.8448
Std. Error of Mean		.02942
Median		44.3000
Mode		34.60
Std. Deviation		26.15815
Variance		684.249
Skewness		1.318
Std. Error of Skewness		.003
Kurtosis		2.523
Std. Error of Kurtosis		.006
Range		261.20
Minimum		12.00
Maximum		273.20
Sum		40196343.90

Figure B26. Frequency Histogram for North Region WIM Stations (Correct Data).



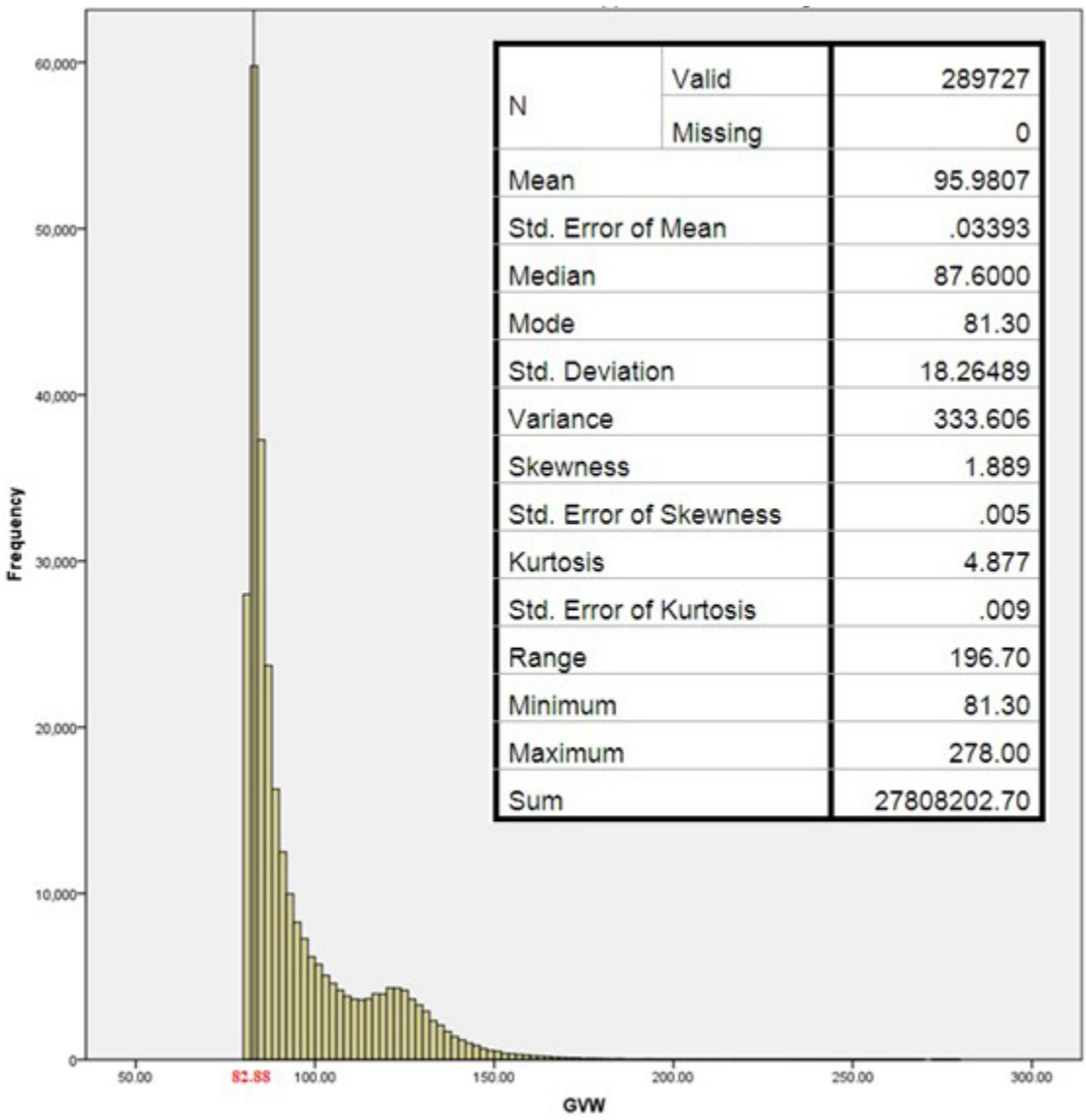
N	Valid	39587
	Missing	0
Mean		126.8736
Std. Error of Mean		.07903
Median		126.1000
Mode		126.50
Std. Deviation		15.72423
Variance		247.251
Skewness		1.945
Std. Error of Skewness		.012
Kurtosis		9.725
Std. Error of Kurtosis		.025
Range		170.90
Minimum		102.30
Maximum		273.20
Sum		5022545.90

Figure B27. Frequency Histogram for Top 5% of North Region WIM Stations (Correct Data).



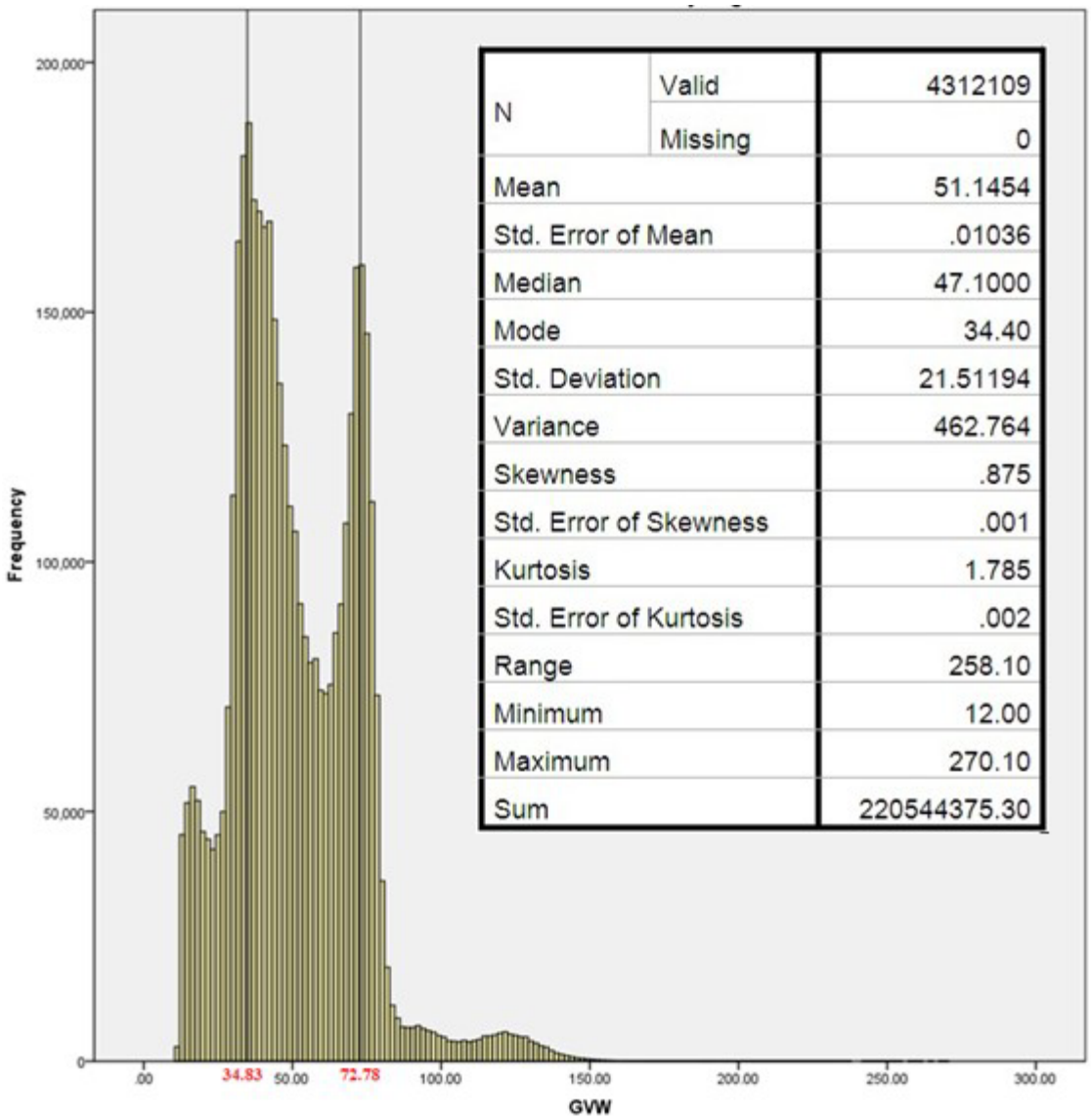
N	Valid	5776603
	Missing	0
Mean		48.0681
Std. Error of Mean		.00855
Median		43.4000
Mode		34.50
Std. Deviation		20.56088
Variance		422.750
Skewness		.914
Std. Error of Skewness		.001
Kurtosis		1.693
Std. Error of Kurtosis		.002
Range		266.00
Minimum		12.00
Maximum		278.00
Sum		277670522.50

Figure B28. Frequency Histogram for Grand Region WIM Stations (Correct Data).



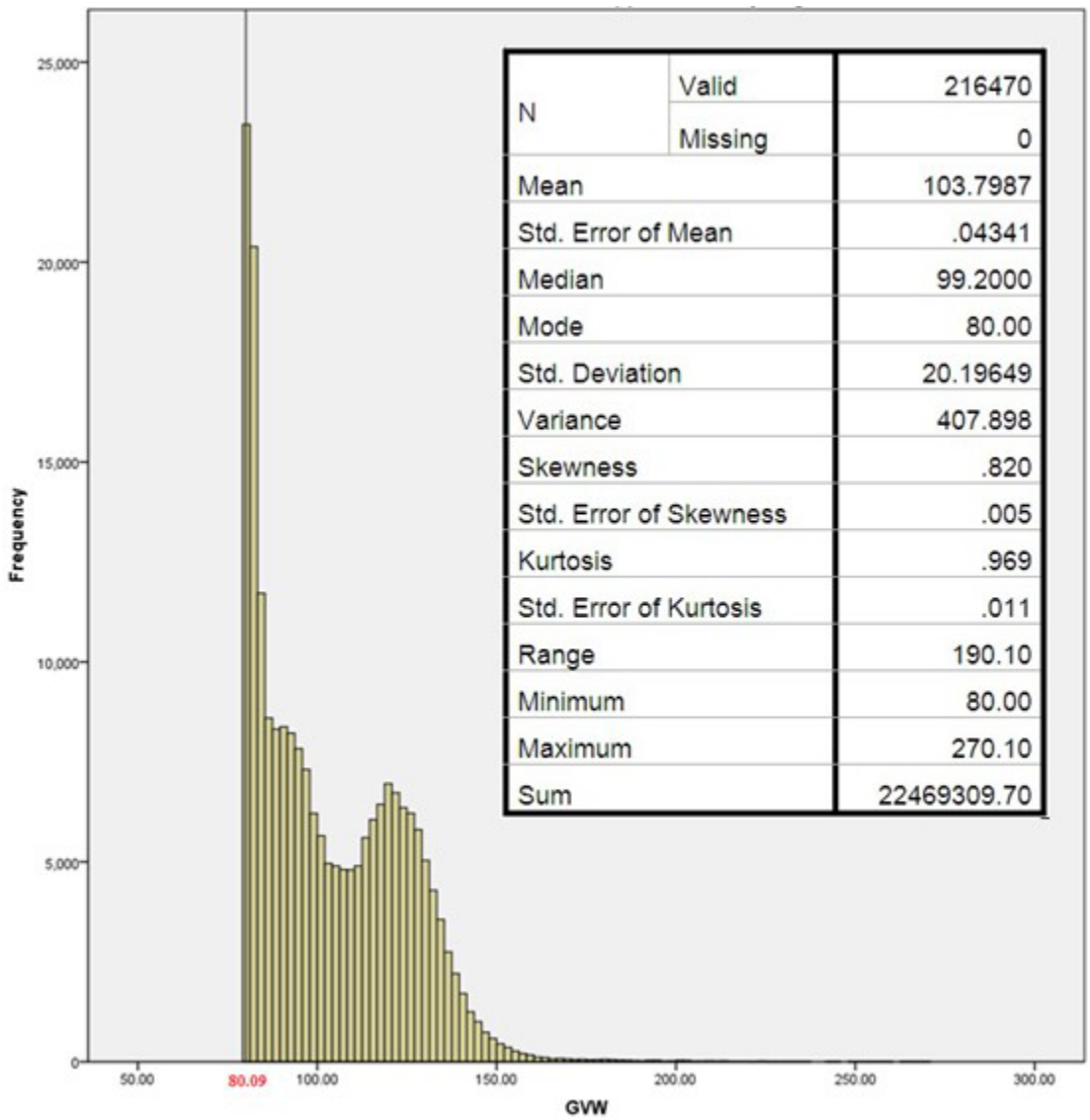
N	Valid	289727
	Missing	0
Mean		95.9807
Std. Error of Mean		.03393
Median		87.6000
Mode		81.30
Std. Deviation		18.26489
Variance		333.606
Skewness		1.889
Std. Error of Skewness		.005
Kurtosis		4.877
Std. Error of Kurtosis		.009
Range		196.70
Minimum		81.30
Maximum		278.00
Sum		27808202.70

Figure B29. Frequency Histogram for Top 5% of Grand Region WIM Stations (Correct Data).



N	Valid	4312109
	Missing	0
Mean		51.1454
Std. Error of Mean		.01036
Median		47.1000
Mode		34.40
Std. Deviation		21.51194
Variance		462.764
Skewness		.875
Std. Error of Skewness		.001
Kurtosis		1.785
Std. Error of Kurtosis		.002
Range		258.10
Minimum		12.00
Maximum		270.10
Sum		220544375.30

Figure B30. Frequency Histogram for Bay Region WIM Stations (Correct Data).



N	Valid	216470
	Missing	0
Mean		103.7987
Std. Error of Mean		.04341
Median		99.2000
Mode		80.00
Std. Deviation		20.19649
Variance		407.898
Skewness		.820
Std. Error of Skewness		.005
Kurtosis		.969
Std. Error of Kurtosis		.011
Range		190.10
Minimum		80.00
Maximum		270.10
Sum		22469309.70

Figure B31. Frequency Histogram for Top 5% of Bay Region WIM Stations (Correct Data).

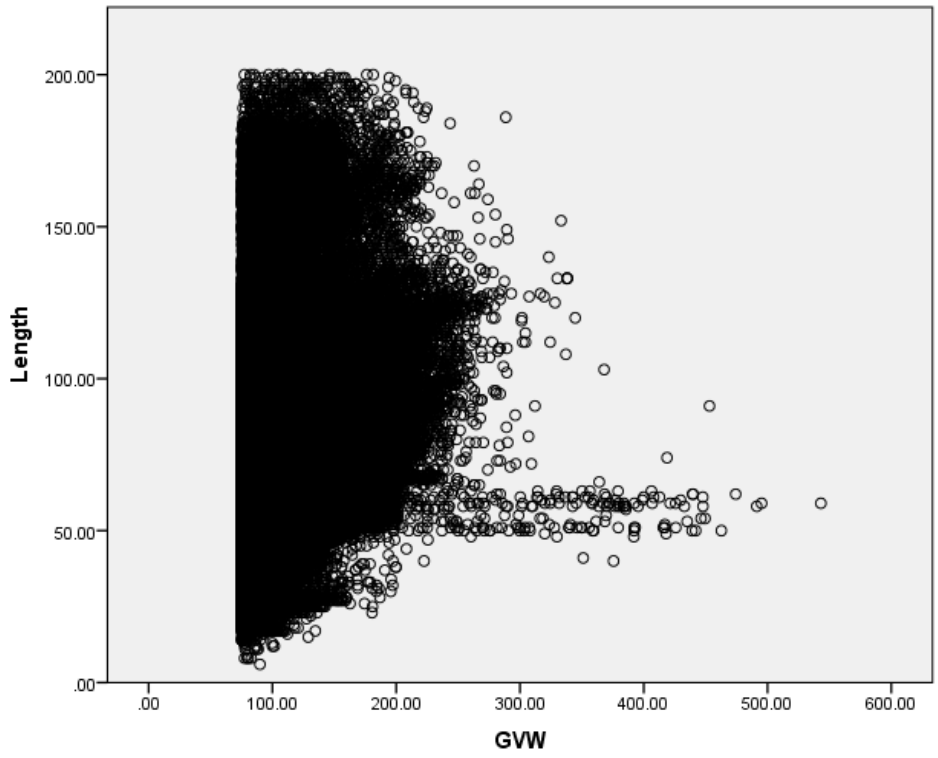


Figure B32. GVW-Length Relationship for Vehicles over 75 kips.

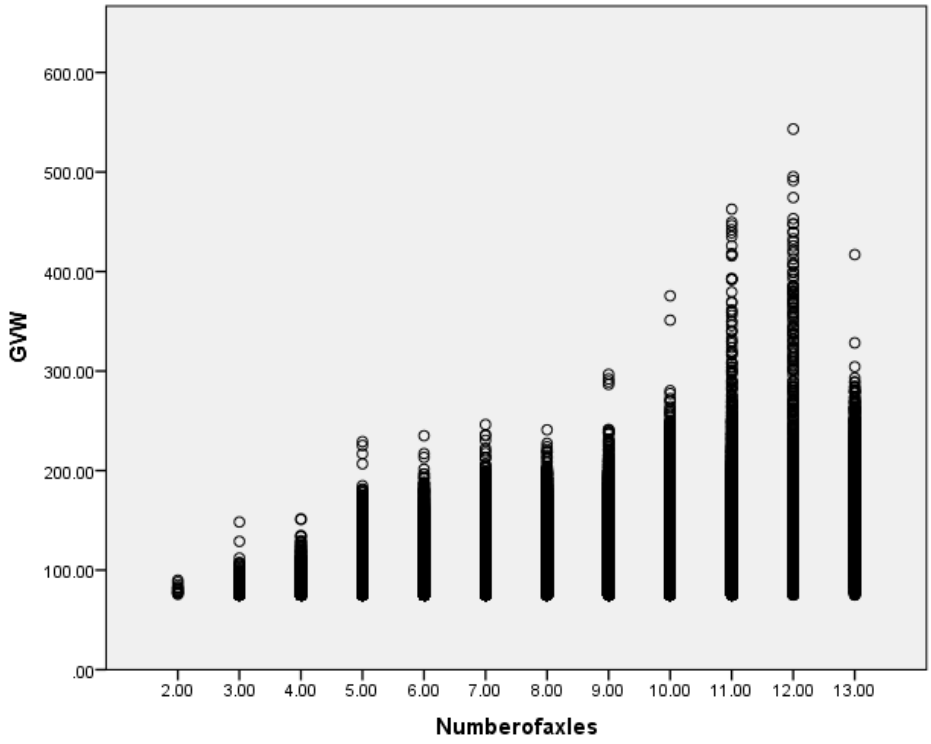


Figure B33. GVW-Number-of-Axles Relationship for Vehicles over 75 kips.

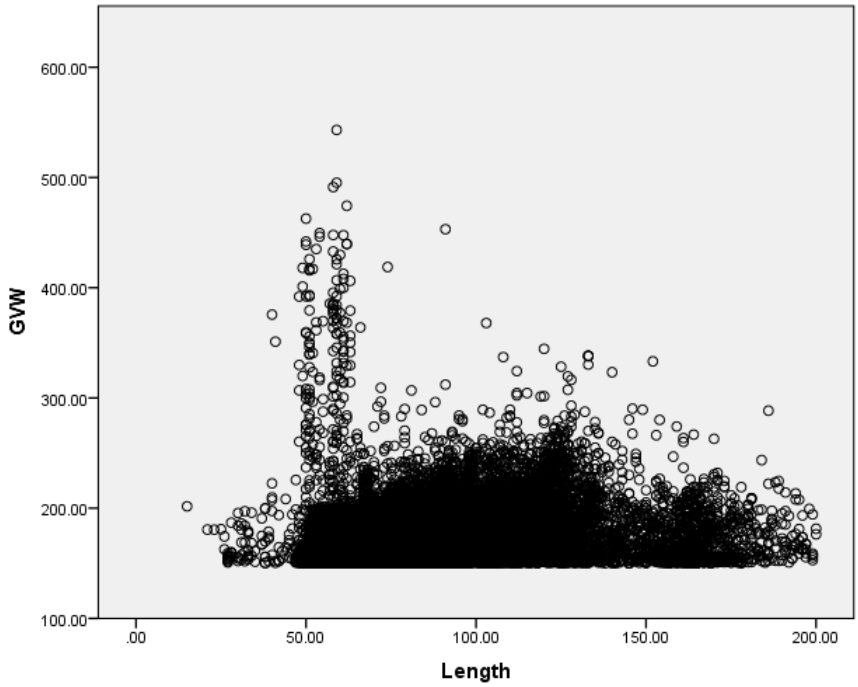


Figure B34. GVW-Length Relationship for Vehicles over 150 kips.

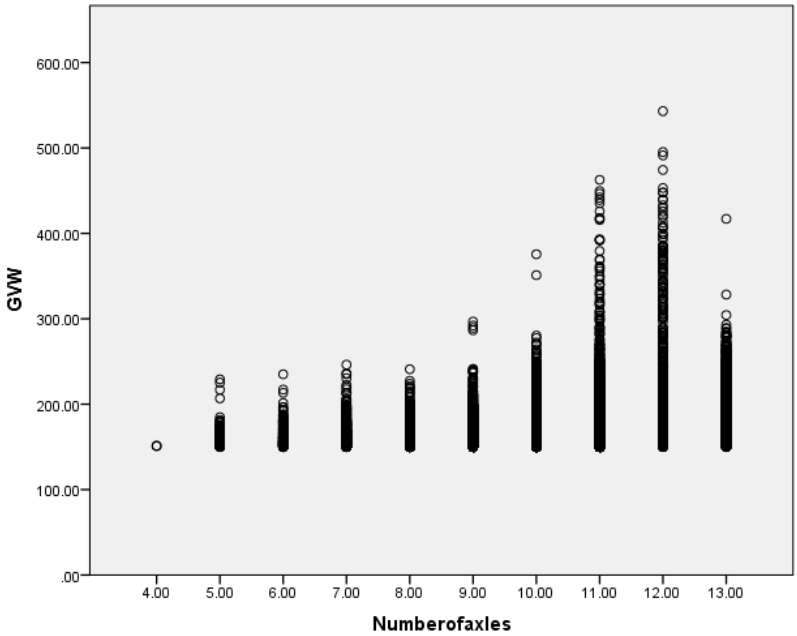


Figure B35. GVW-Number-of-Axles Relationship for Vehicles over 150 kips.

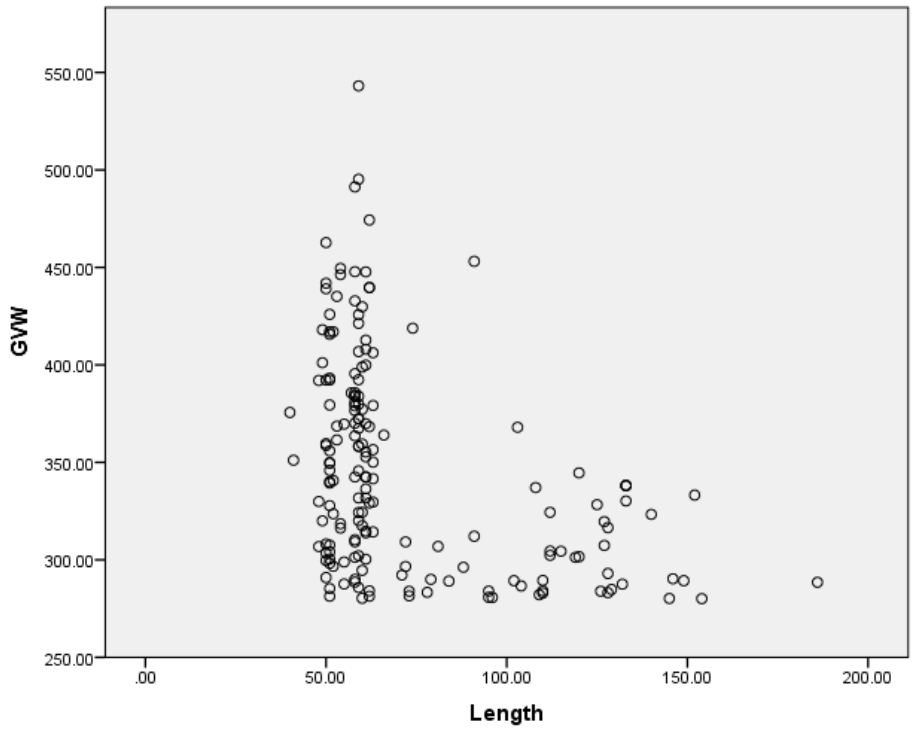


Figure B36. GVW-Length Relationship for Vehicles over 280 kips.

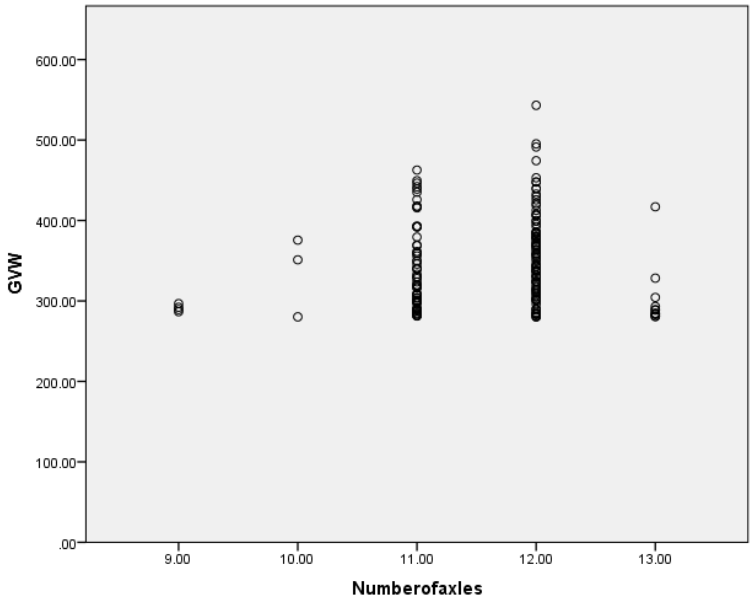
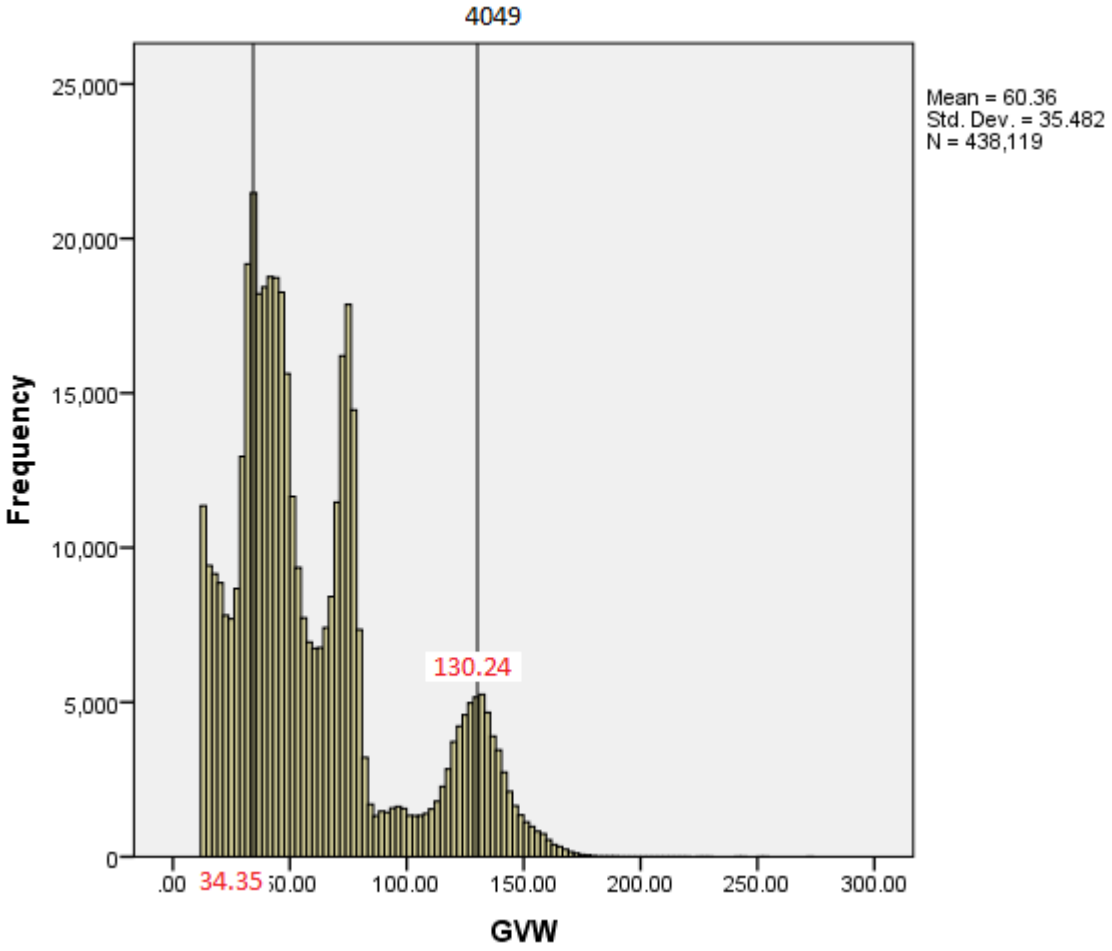


Figure B37. GVW-Number-of-Axles Relationship for Vehicles over 280 kips.

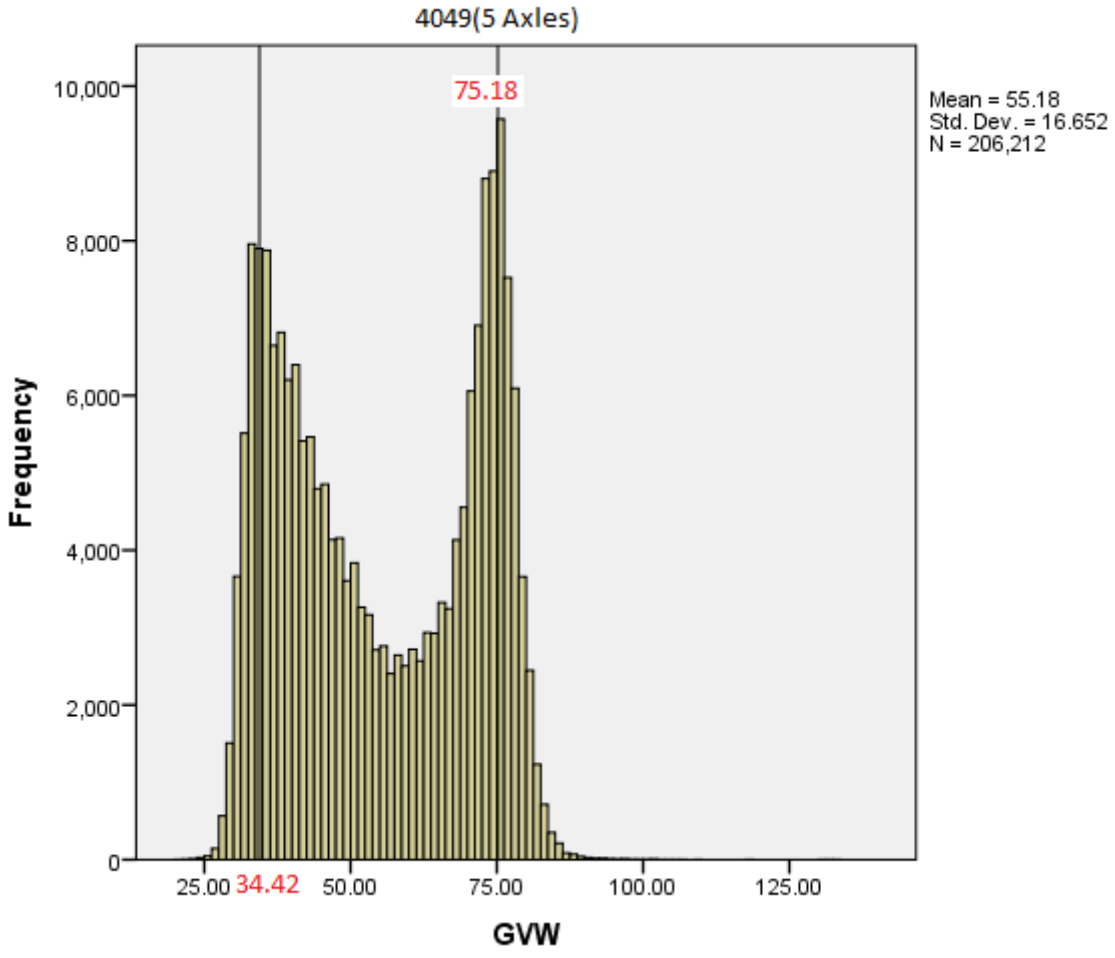


Statistics

GVW

N	Valid	438119
	Missing	0
Mean		60.3607
Std. Error of Mean		.05361
Median		49.1000
Mode		34.20
Std. Deviation		35.48185
Variance		1258.962
Minimum		12.00
Maximum		273.20
Sum		26445166.50

Figure B38. Frequency Histogram of All Vehicles, Site 4049.

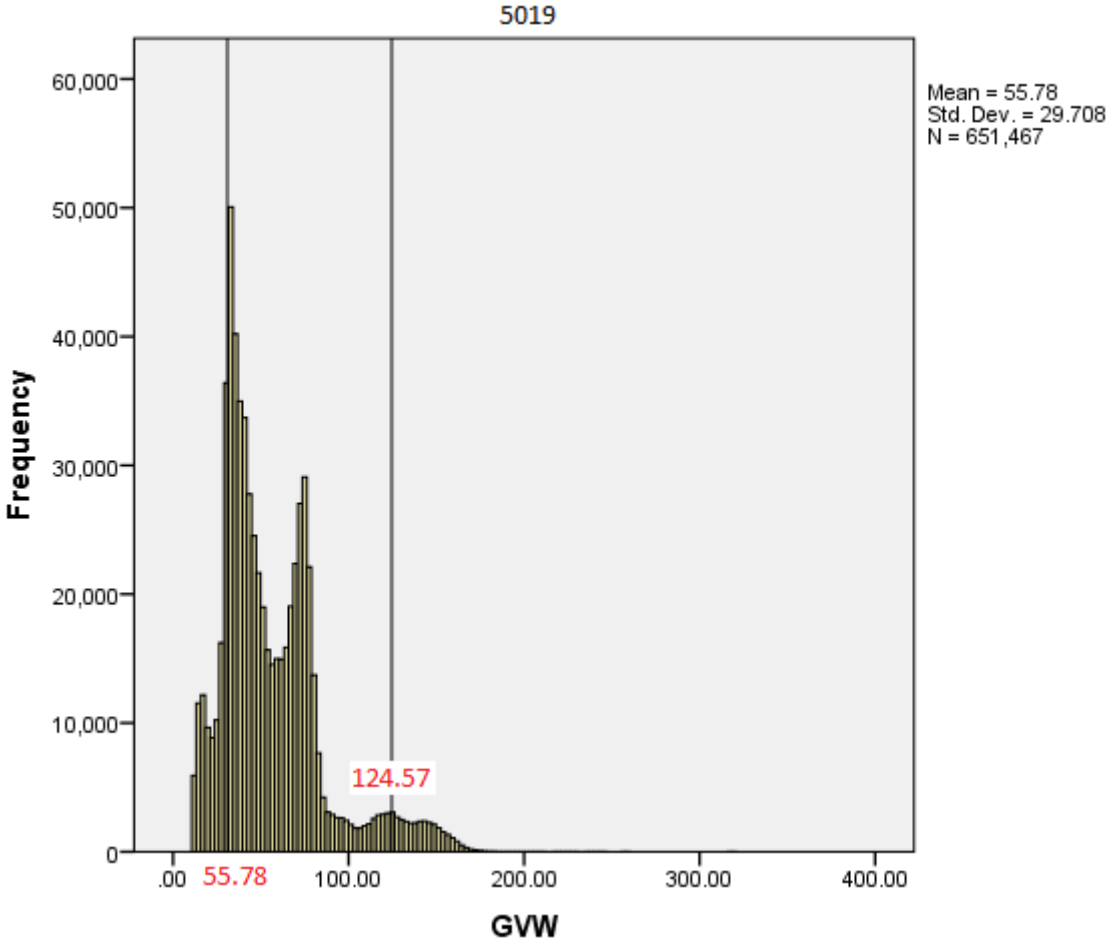


Statistics

GVW

N	Valid	206212
	Missing	0
Mean		55.1800
Std. Error of Mean		.03667
Median		53.4000
Mode		74.60
Std. Deviation		16.65207
Variance		277.292
Minimum		20.10
Maximum		133.20
Sum		11378775.30

Figure B39. Frequency Histogram of 5-Axle Vehicles, Site 4049.

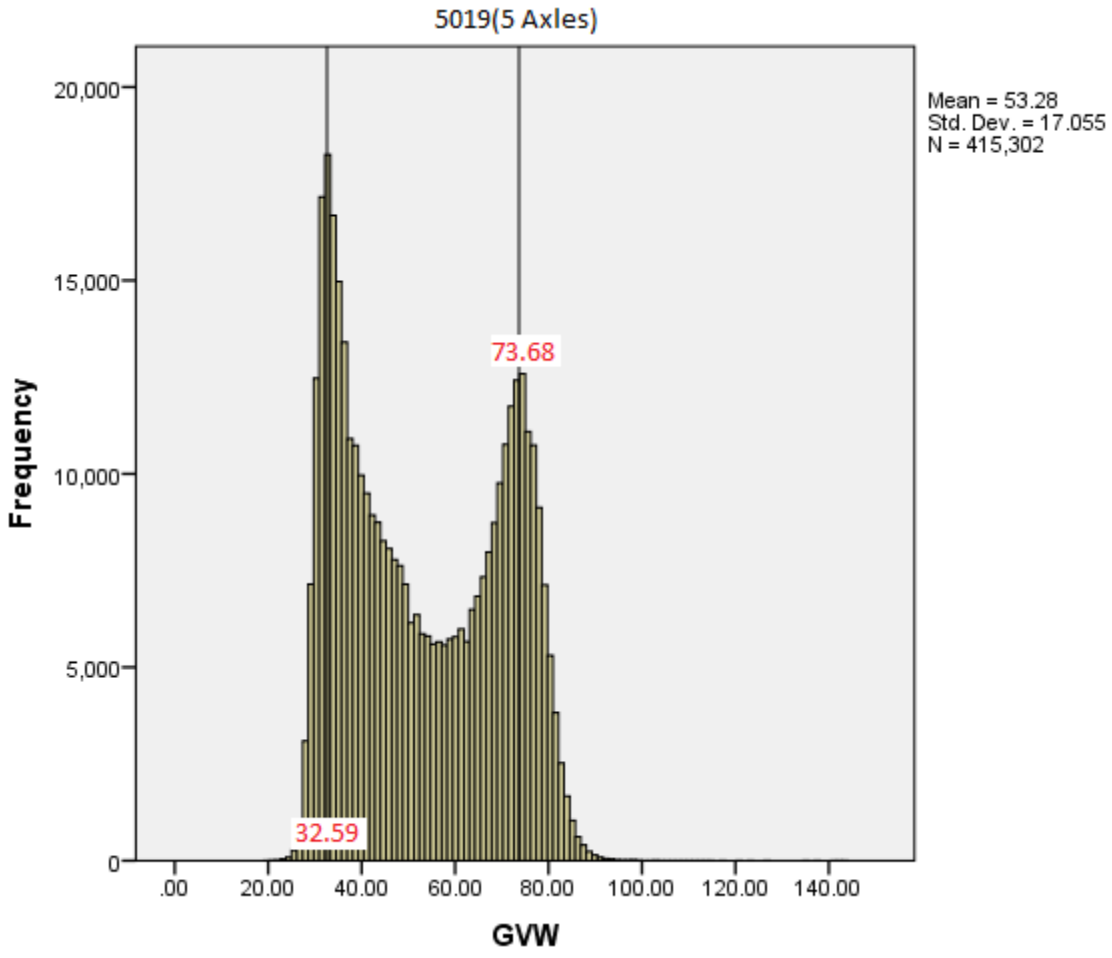


Statistics

GVW

N	Valid	651467
	Missing	0
Mean		55.7835
Std. Error of Mean		.03681
Median		47.8000
Mode		32.50
Std. Deviation		29.70838
Variance		882.588
Minimum		12.00
Maximum		319.60
Sum		36341127.00

Figure B40. Frequency Histogram of All Vehicles, Site 5019.

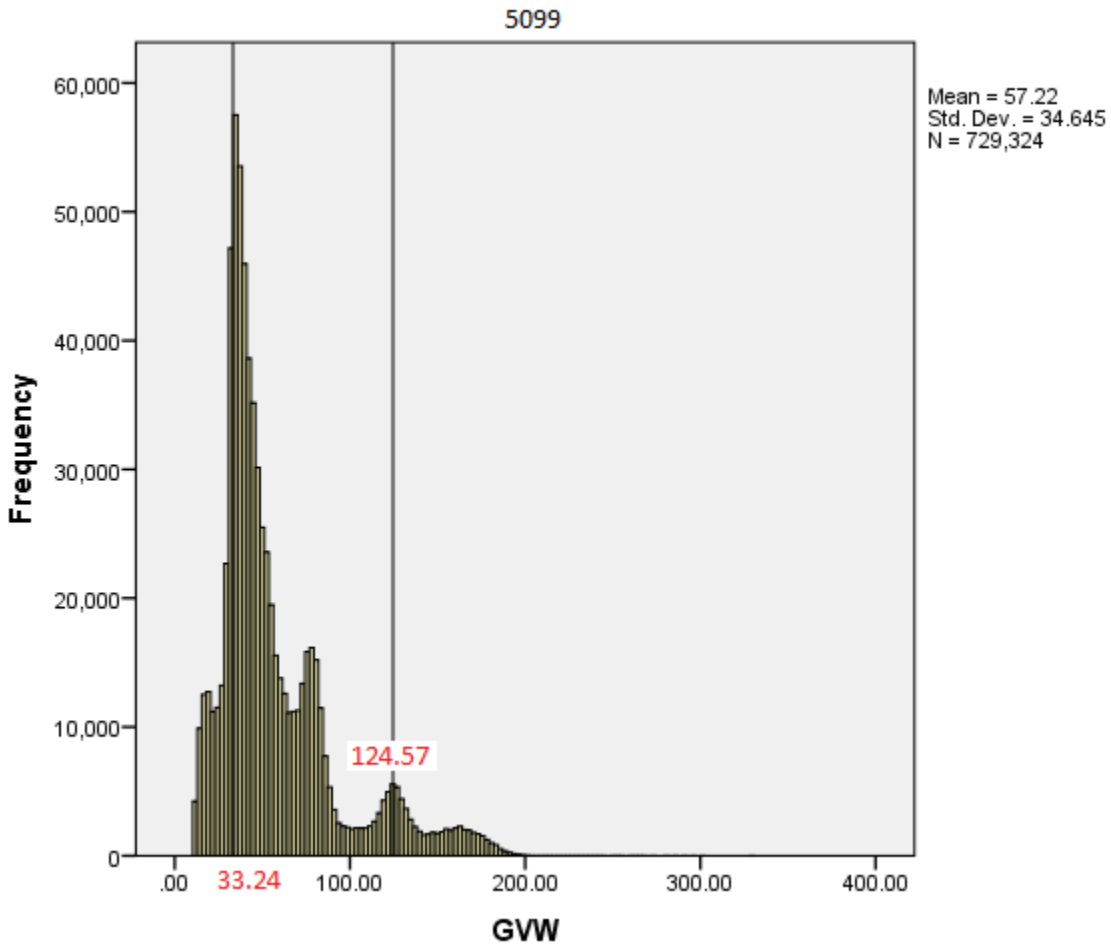


Statistics

GVW

N	Valid	415302
	Missing	0
Mean		53.2839
Std. Error of Mean		.02646
Median		51.0000
Mode		32.50
Std. Deviation		17.05468
Variance		290.862
Minimum		19.80
Maximum		143.00
Sum		22128927.10

Figure B41. Frequency Histogram of 5-Axle Vehicles, Site 5019.

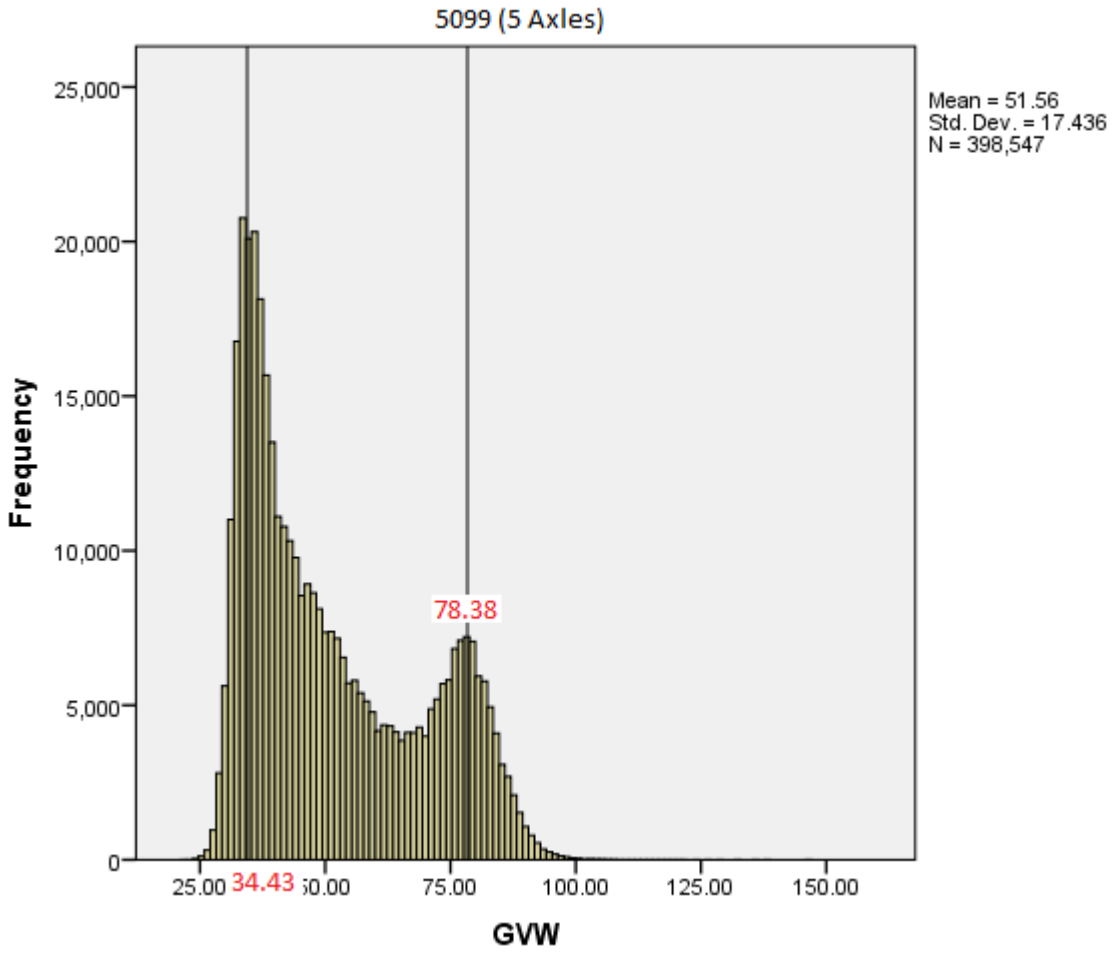


Statistics

GVW

N	Valid	729324
	Missing	0
Mean		57.2222
Std. Error of Mean		.04057
Median		45.3000
Mode		34.60
Std. Deviation		34.64522
Variance		1200.292
Minimum		12.00
Maximum		329.50
Sum		41733494.30

Figure B42. Frequency Histogram of All Vehicles, Site 5099.

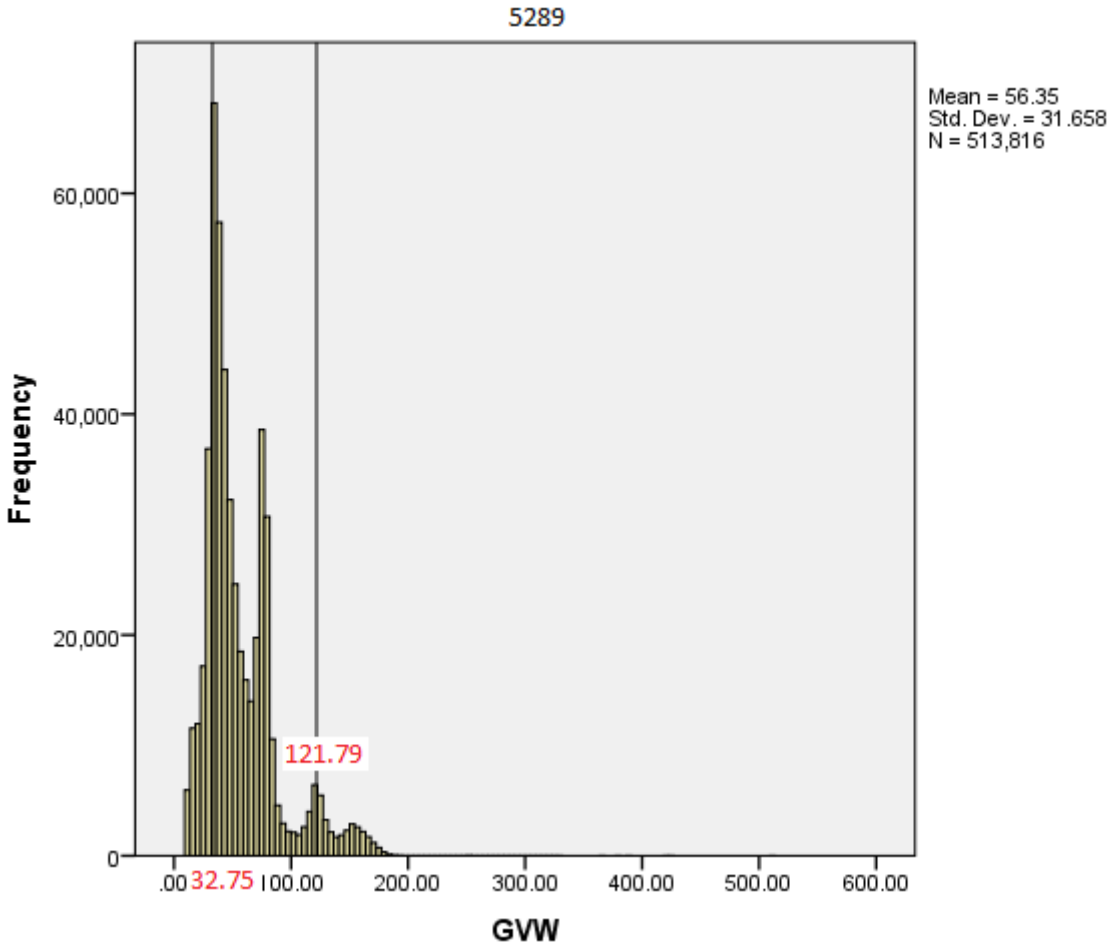


Statistics

GVW

N	Valid	398547
	Missing	0
Mean		51.5596
Std. Error of Mean		.02762
Median		46.2000
Mode		34.40
Std. Deviation		17.43638
Variance		304.028
Minimum		21.80
Maximum		146.00
Sum		20548937.60

Figure B43. Frequency Histogram of 5-Axle Vehicles, Site 5099.

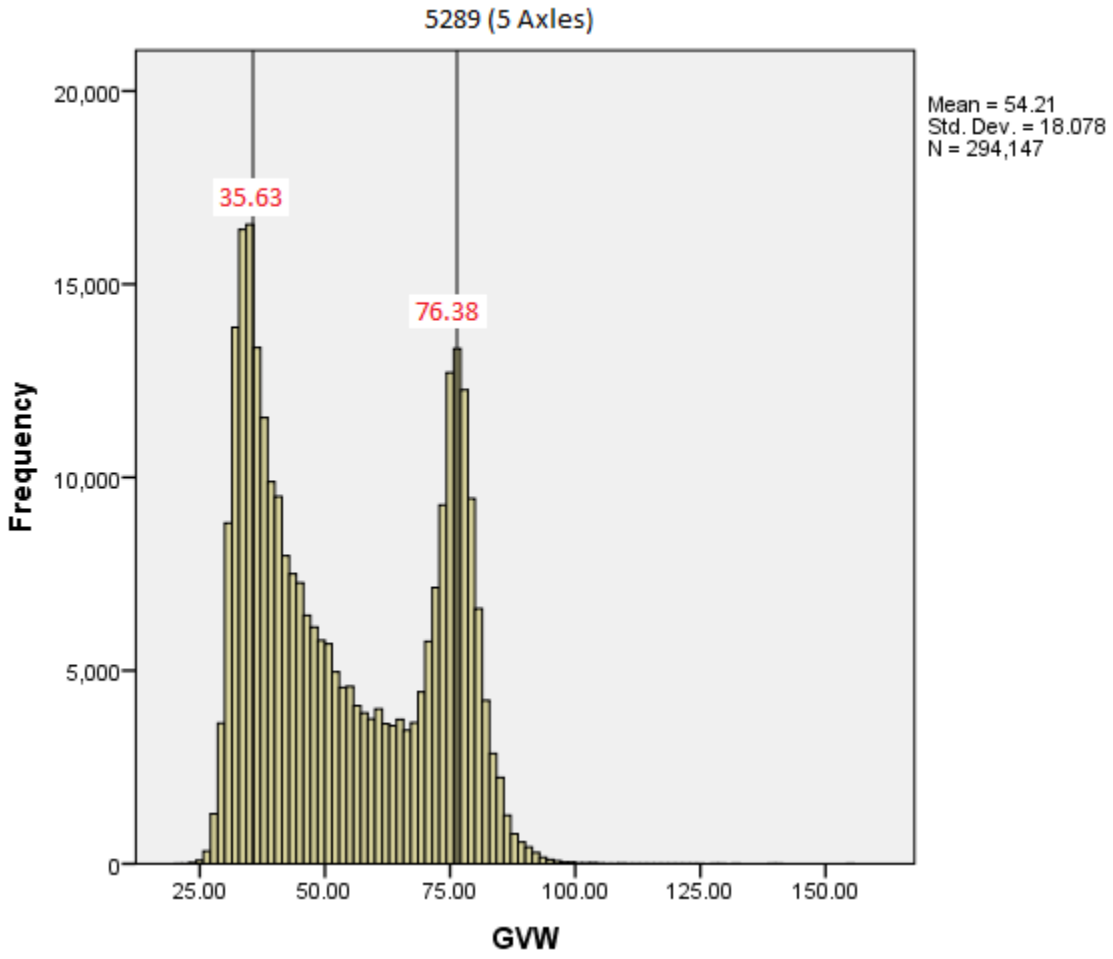


Statistics

GVW

N	Valid	513816
	Missing	0
Mean		56.3525
Std. Error of Mean		.04416
Median		45.9000
Mode		33.50
Std. Deviation		31.65786
Variance		1002.220
Minimum		12.00
Maximum		510.20
Sum		28954814.70

Figure B44. Frequency Histogram of All Vehicles, Site 5289.

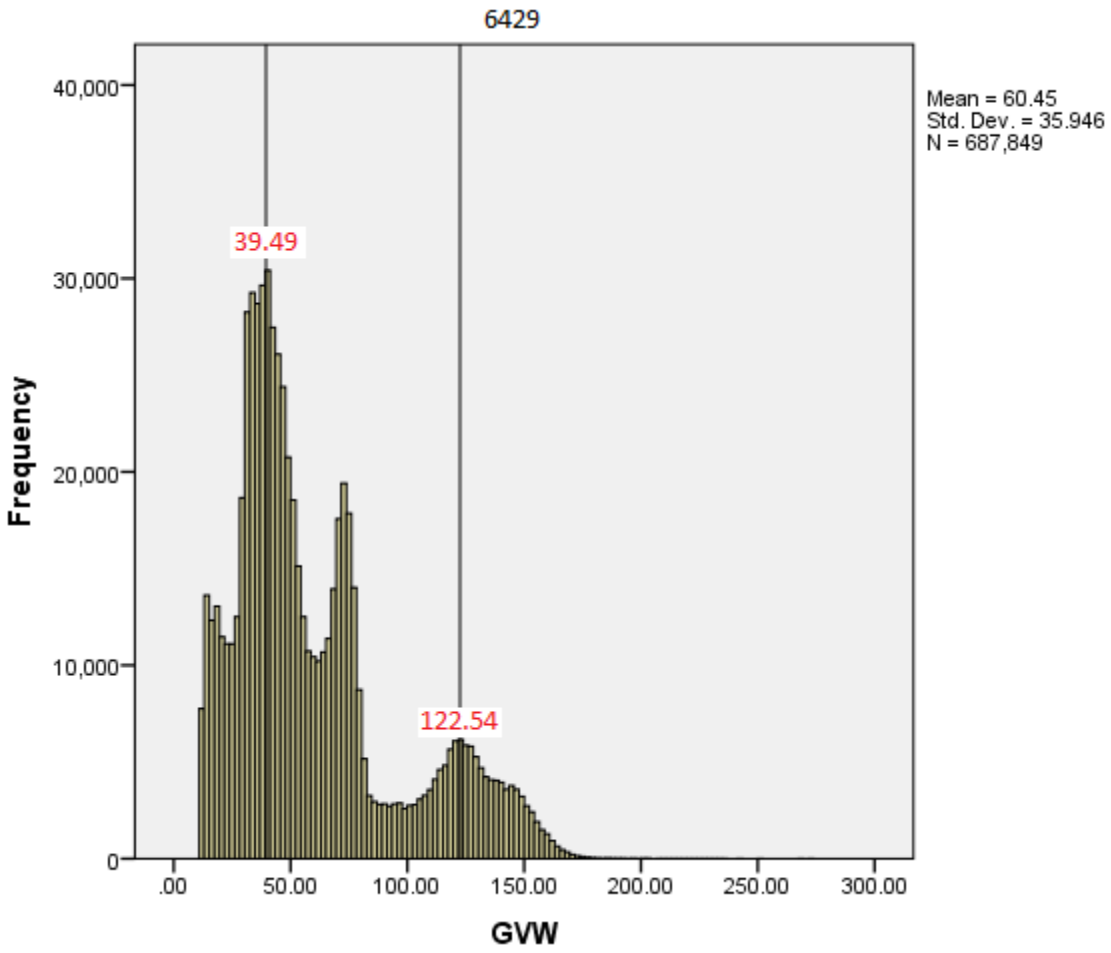


Statistics

GVW

N	Valid	294147
	Missing	0
Mean		54.2129
Std. Error of Mean		.03333
Median		50.1000
Mode		33.50
Std. Deviation		18.07803
Variance		326.815
Minimum		21.20
Maximum		154.70
Sum		15946571.40

Figure B45. Frequency Histogram of 5-Axle Vehicles, Site 5289.

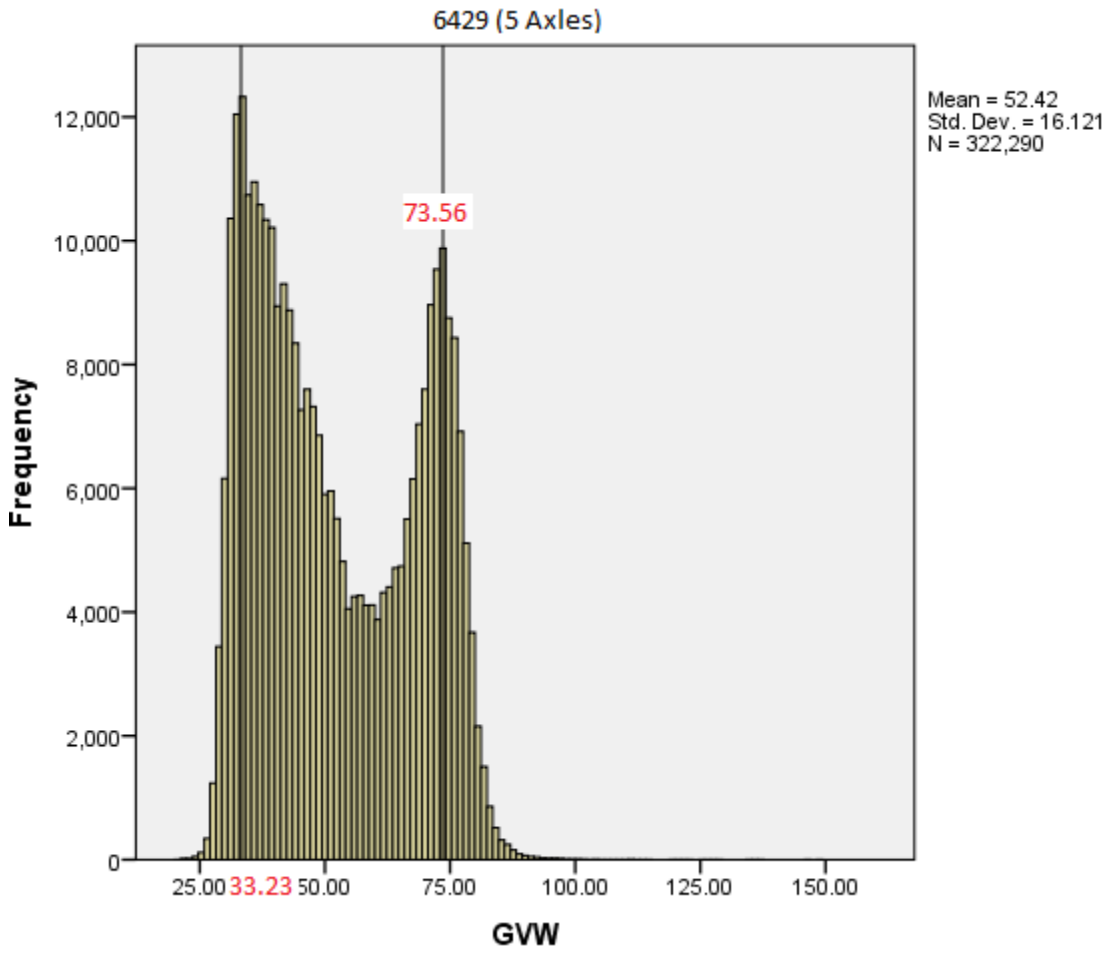


Statistics

GVW

N	Valid	687849
	Missing	0
Mean		60.4526
Std. Error of Mean		.04334
Median		48.6000
Mode		32.80
Std. Deviation		35.94620
Variance		1292.129
Minimum		12.00
Maximum		272.70
Sum		41582253.30

Figure B46. Frequency Histogram of All Vehicles, Site 6429.

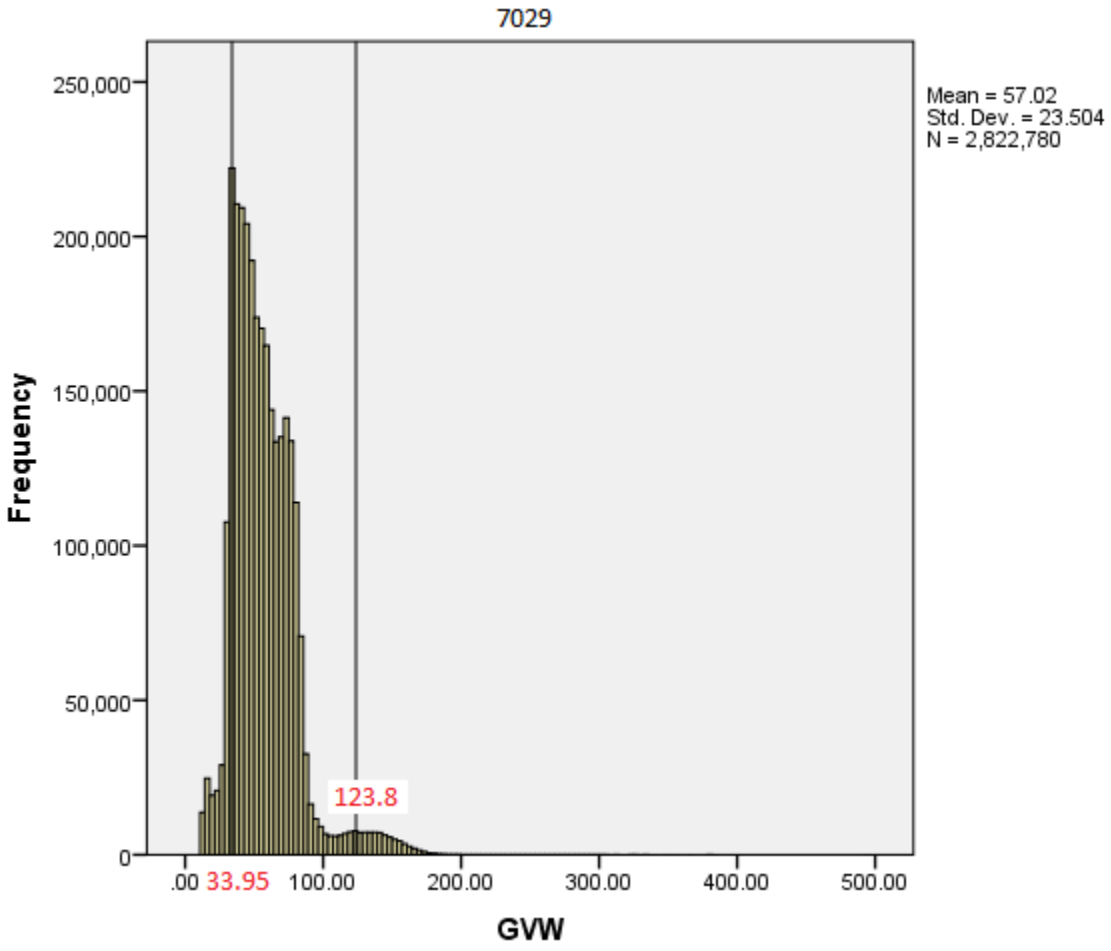


Statistics

GVW

N	Valid	322290
	Missing	0
Mean		52.4166
Std. Error of Mean		.02840
Median		49.0000
Mode		32.80
Std. Deviation		16.12101
Variance		259.887
Minimum		20.20
Maximum		148.70
Sum		16893360.10

Figure B47. Frequency Histogram of 5-Axle Vehicles, Site 6429.

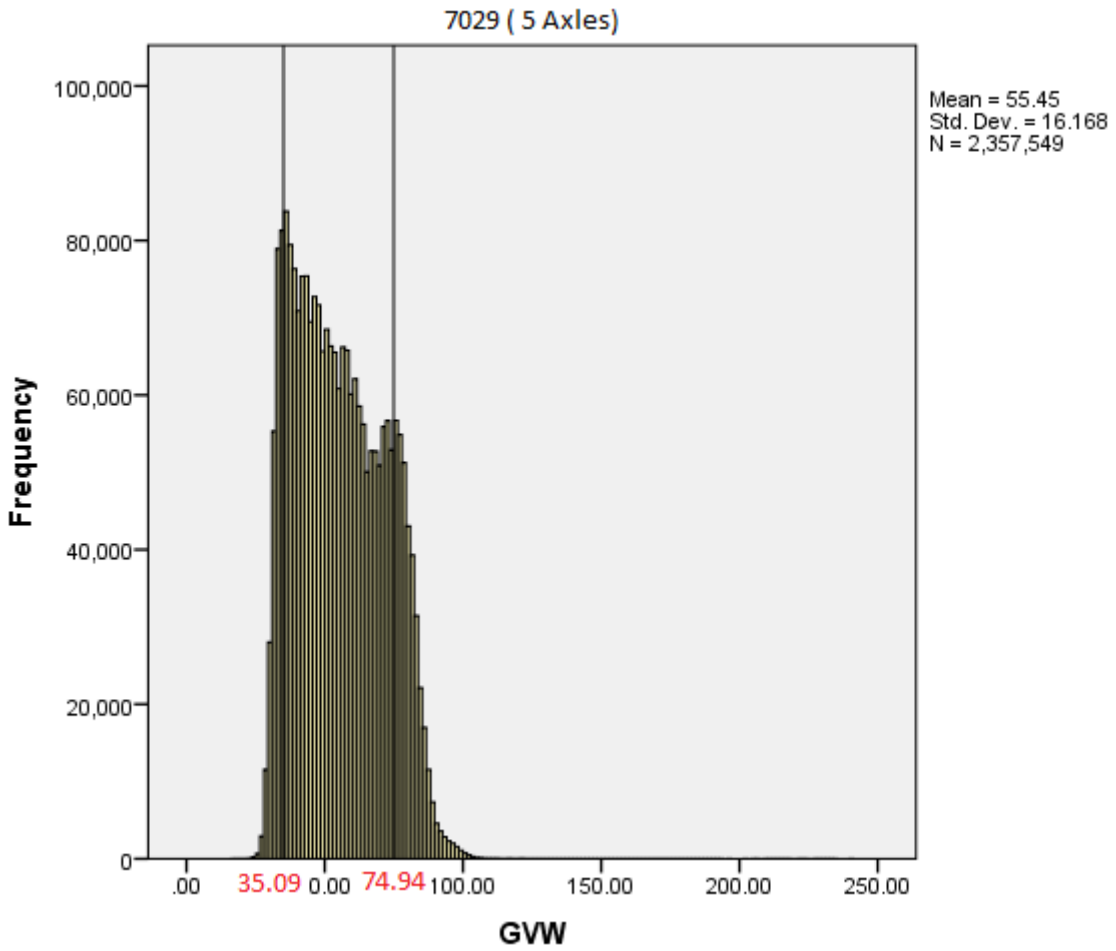


Statistics

GVW

N	Valid	2822780
	Missing	0
Mean		57.0184
Std. Error of Mean		.01399
Median		53.2000
Mode		34.10
Std. Deviation		23.50351
Variance		552.415
Minimum		12.00
Maximum		493.50
Sum		160950337.70

Figure B48. Frequency Histogram of All Vehicles, Site 7029.

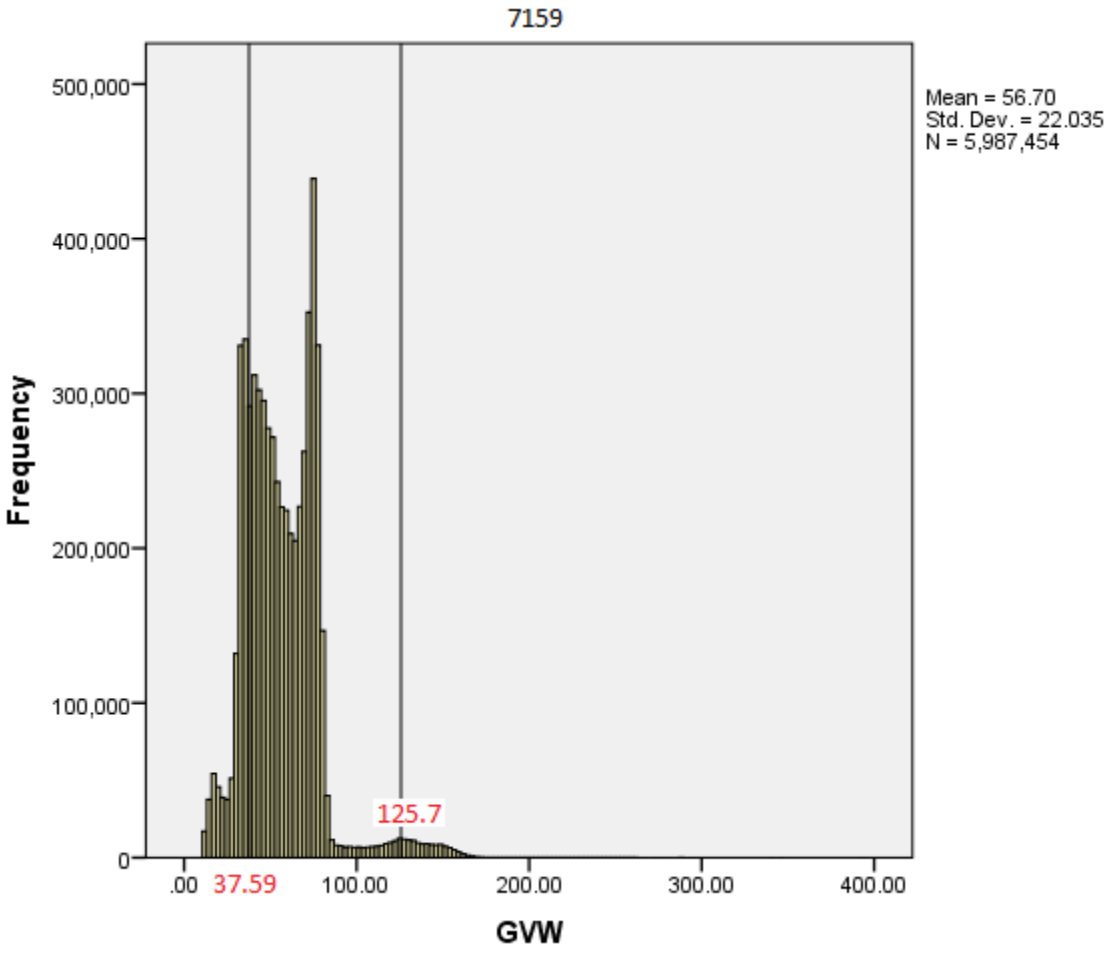


Statistics

GVW

N	Valid	2357549
	Missing	0
Mean		55.4514
Std. Error of Mean		.01053
Median		54.0000
Mode		34.60
Std. Deviation		16.16800
Variance		261.404
Minimum		17.30
Maximum		240.10
Sum		130729350.40

Figure B49. Frequency Histogram of 5-Axle Vehicles, Site 7029.

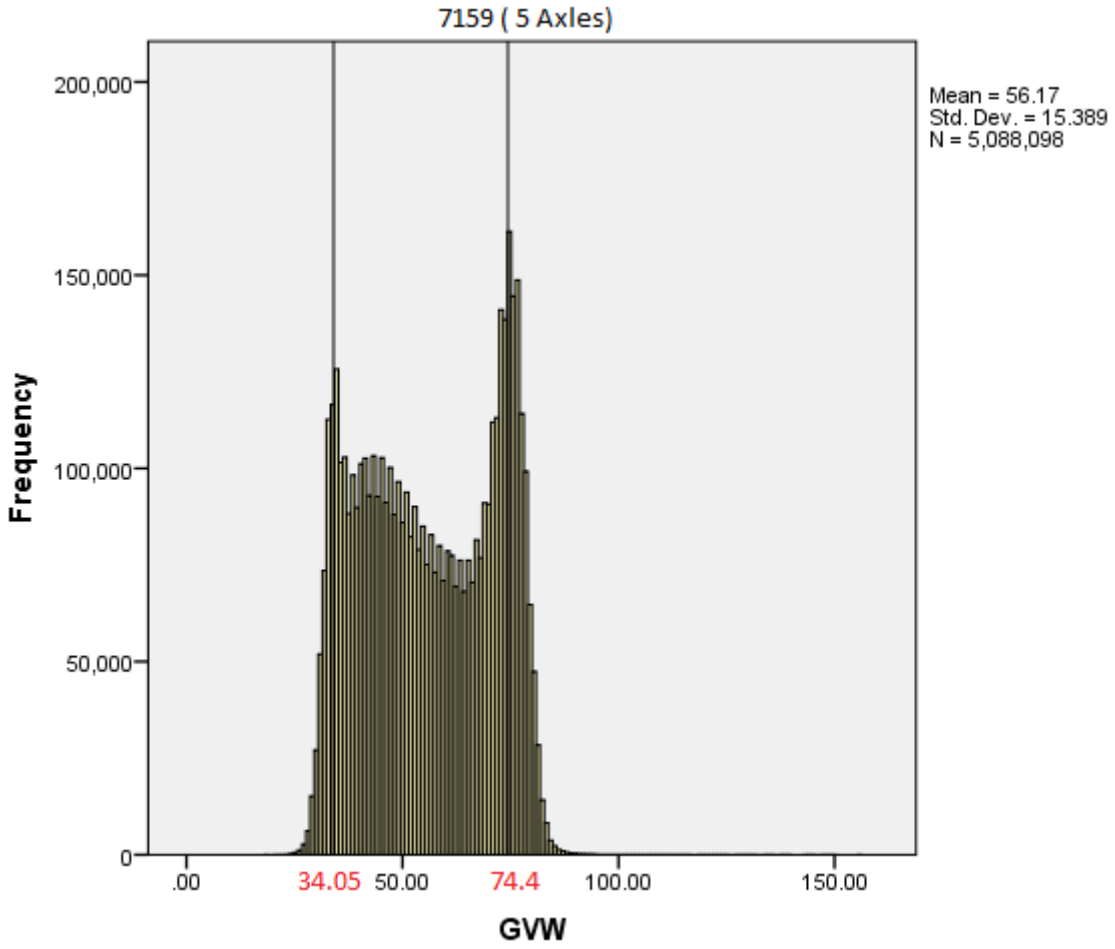


Statistics

GVW

N	Valid	5987454
	Missing	0
Mean		56.7040
Std. Error of Mean		.00901
Median		54.4000
Mode		75.10
Std. Deviation		22.03487
Variance		485.536
Minimum		12.00
Maximum		394.30
Sum		339512872.40

Figure B50. Frequency Histogram of All Vehicles, Site 7159.

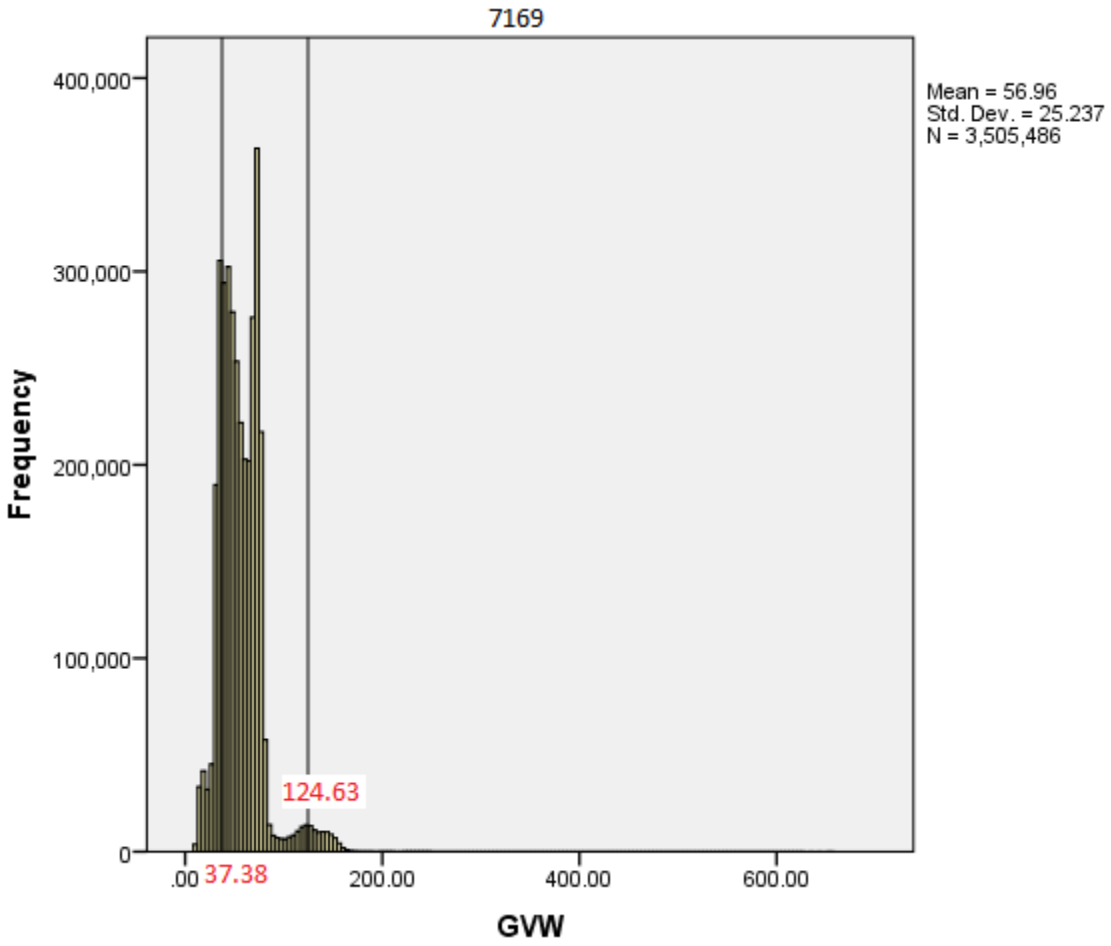


Statistics

GVW

N	Valid	5088098
	Missing	0
Mean		56.1711
Std. Error of Mean		.00682
Median		55.7000
Mode		75.10
Std. Deviation		15.38909
Variance		236.824
Minimum		19.00
Maximum		156.10
Sum		285804181.40

Figure B51. Frequency Histogram of 5-Axle Vehicles, Site 7159.

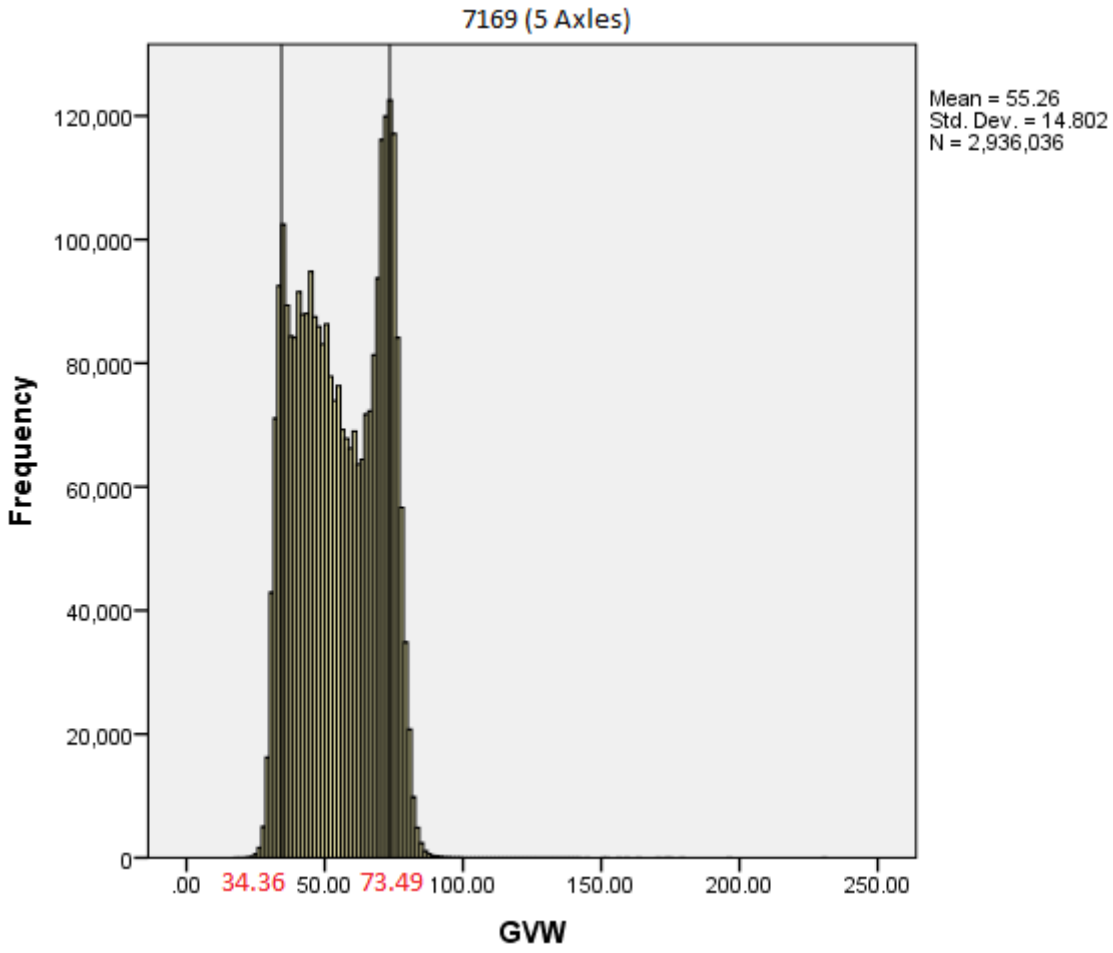


Statistics

GVW

N	Valid	3505486
	Missing	0
Mean		56.9629
Std. Error of Mean		.01348
Median		53.6000
Mode		73.10[a]
Std. Deviation		25.23733
Variance		636.923
Minimum		12.00
Maximum		655.30
Sum		199682549.70

Figure B52. Frequency Histogram of All Vehicles, Site 7169.

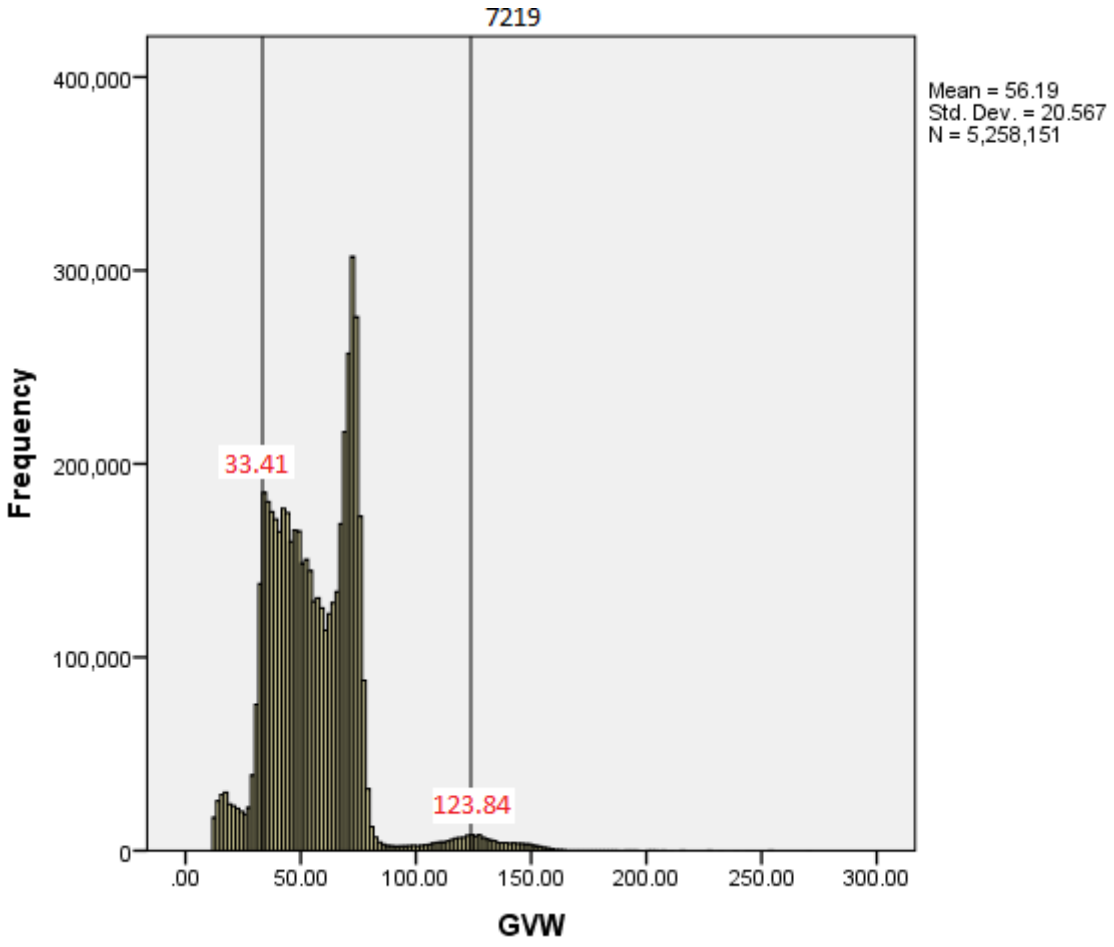


Statistics

GVW

N	Valid	2936036
	Missing	0
Mean		55.2650
Std. Error of Mean		.00864
Median		54.6000
Mode		73.20
Std. Deviation		14.80179
Variance		219.093
Minimum		18.40
Maximum		230.10
Sum		162259983.70

Figure B52. Frequency Histogram of 5-Axle Vehicles, Site 7169.

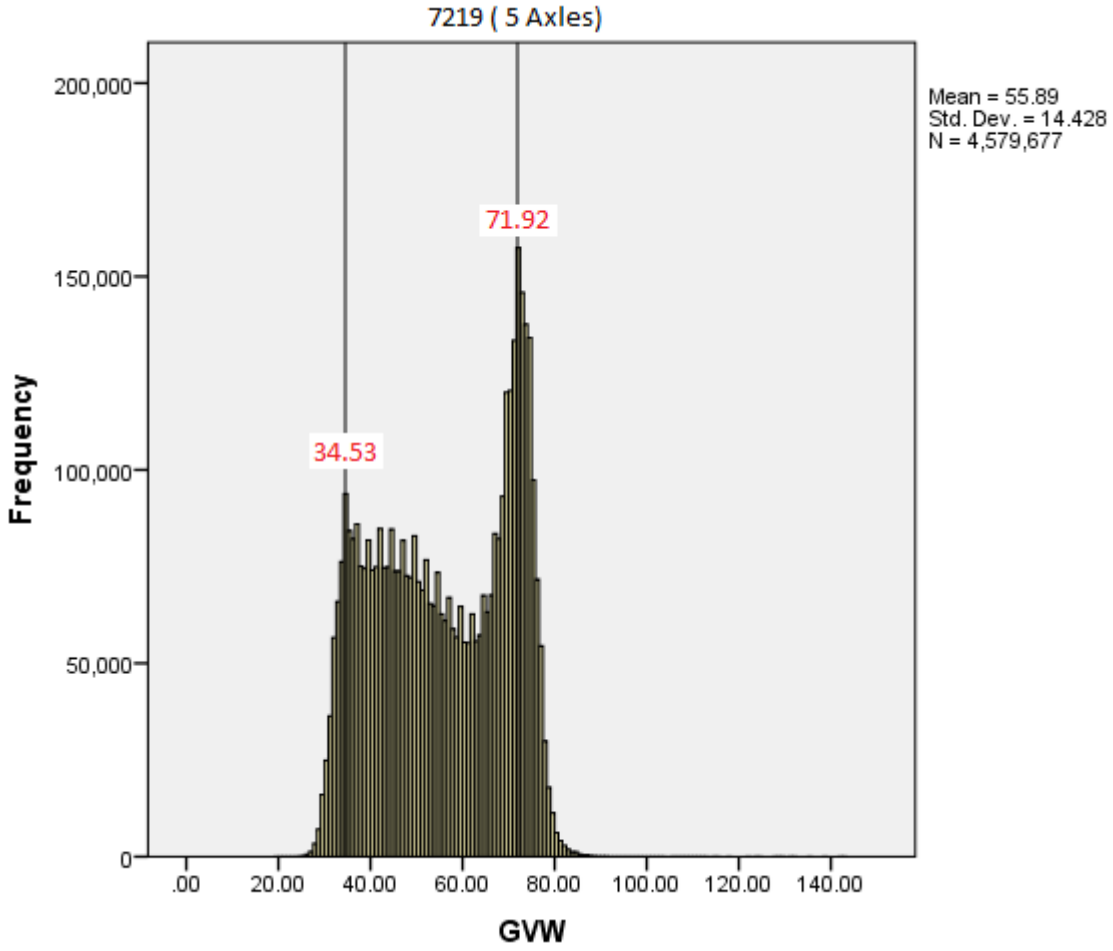


Statistics

GVW

N	Valid	5258151
	Missing	0
Mean		56.1946
Std. Error of Mean		.00897
Median		54.8000
Mode		72.80
Std. Deviation		20.56709
Variance		423.005
Minimum		12.00
Maximum		270.30
Sum		295479447.20

Figure B53. Frequency Histogram of All Vehicles, Site 7219.

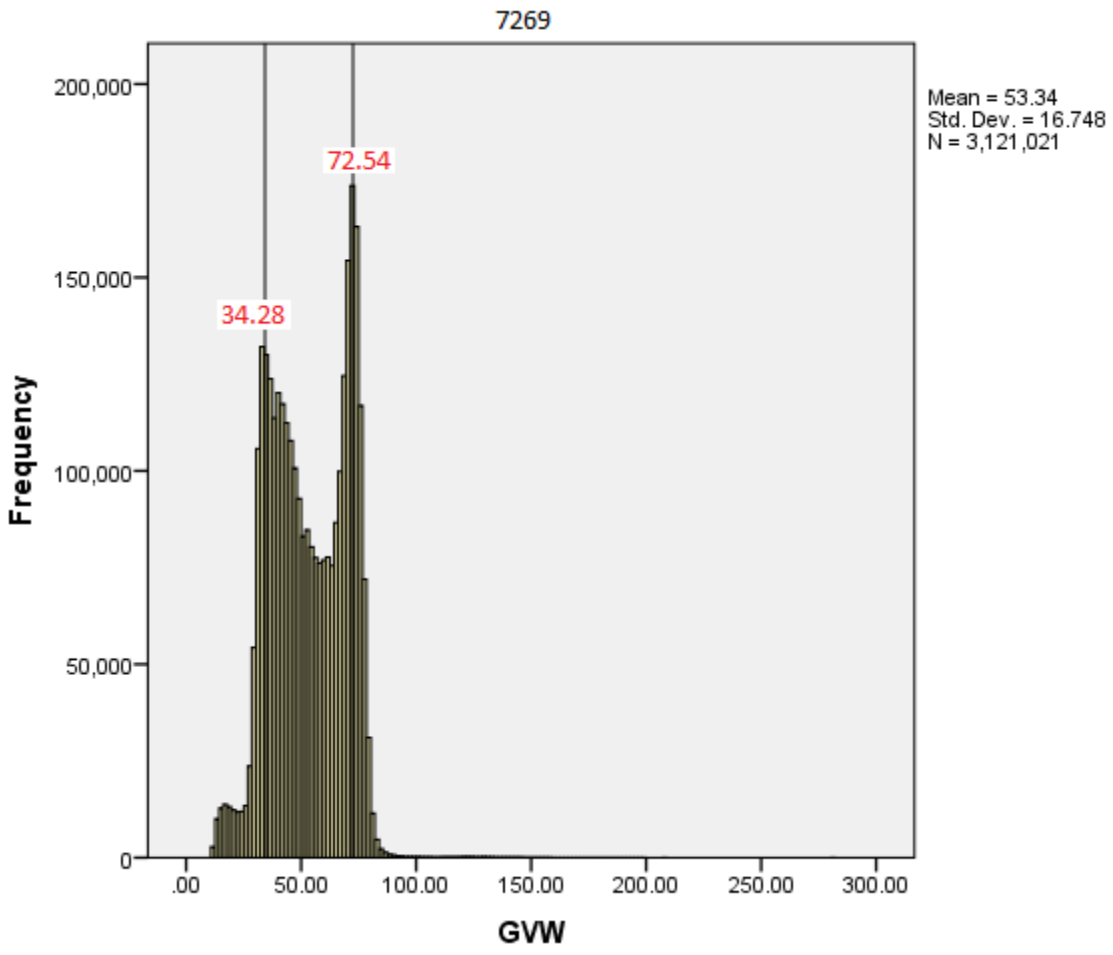


Statistics

GVW

N	Valid	4579677
	Missing	0
Mean		55.8926
Std. Error of Mean		.00674
Median		56.0000
Mode		72.80
Std. Deviation		14.42798
Variance		208.167
Minimum		19.60
Maximum		143.30
Sum		255970219.90

Figure B54. Frequency Histogram of 5-Axle Vehicles, Site 7219.

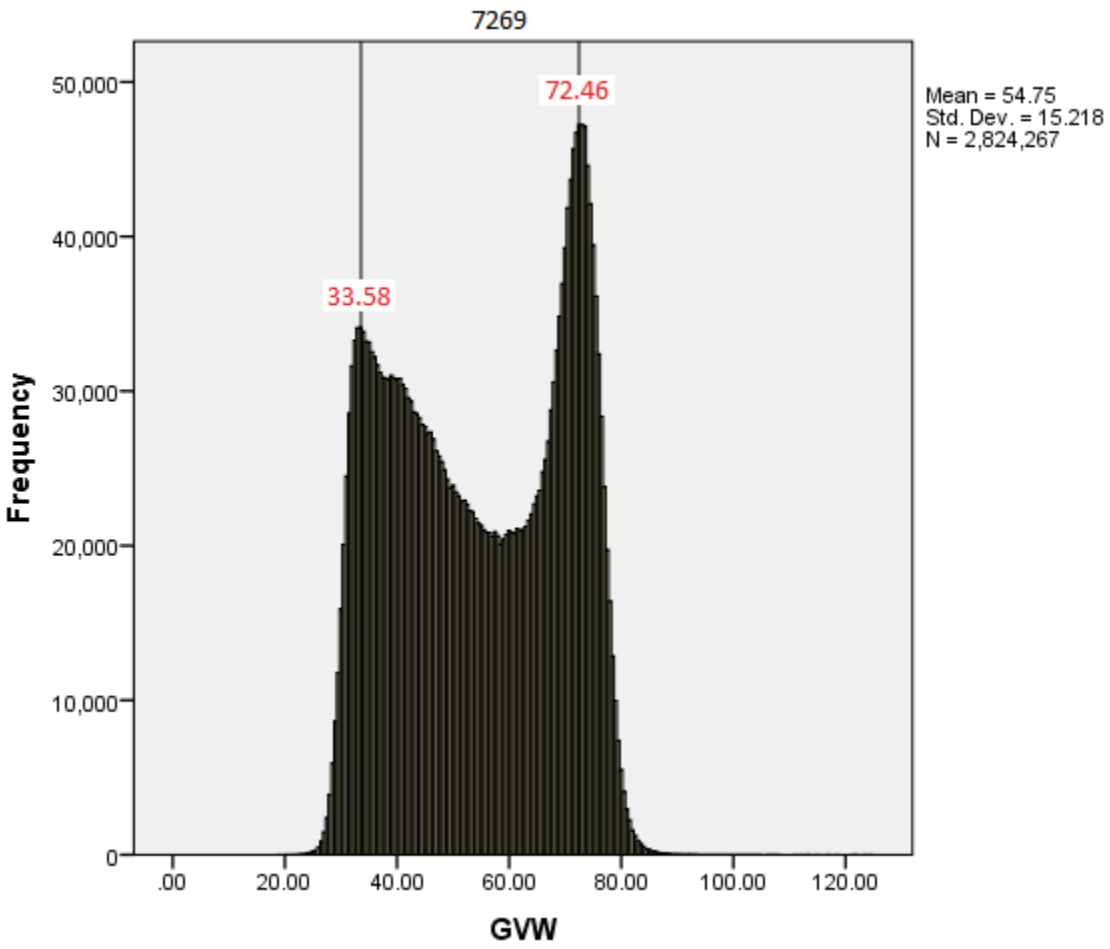


Statistics

GVW

N	Valid	3121021
	Missing	0
Mean		53.3391
Std. Error of Mean		.00948
Median		52.6000
Mode		72.60
Std. Deviation		16.74772
Variance		280.486
Minimum		12.00
Maximum		282.10

Figure B55. Frequency Histogram of All Vehicles, Site 7269.

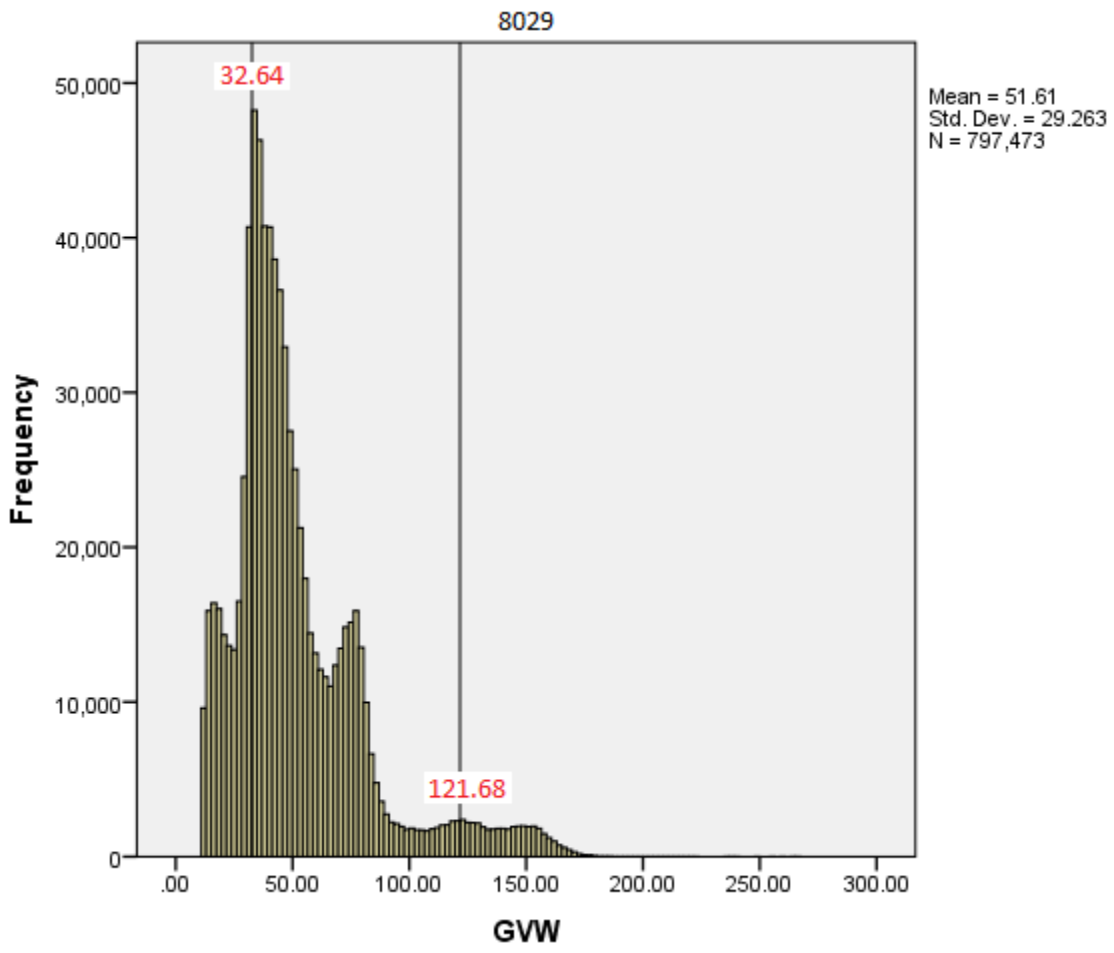


Statistics

GVW

N	Valid	2824267
	Missing	0
Mean		54.7484
Std. Error of Mean		.00906
Median		54.5000
Mode		72.60
Std. Deviation		15.21841
Variance		231.600
Minimum		19.00
Maximum		124.60
Sum		154624191.40

Figure B56. Frequency Histogram of 5-Axle Vehicles, Site 7269.

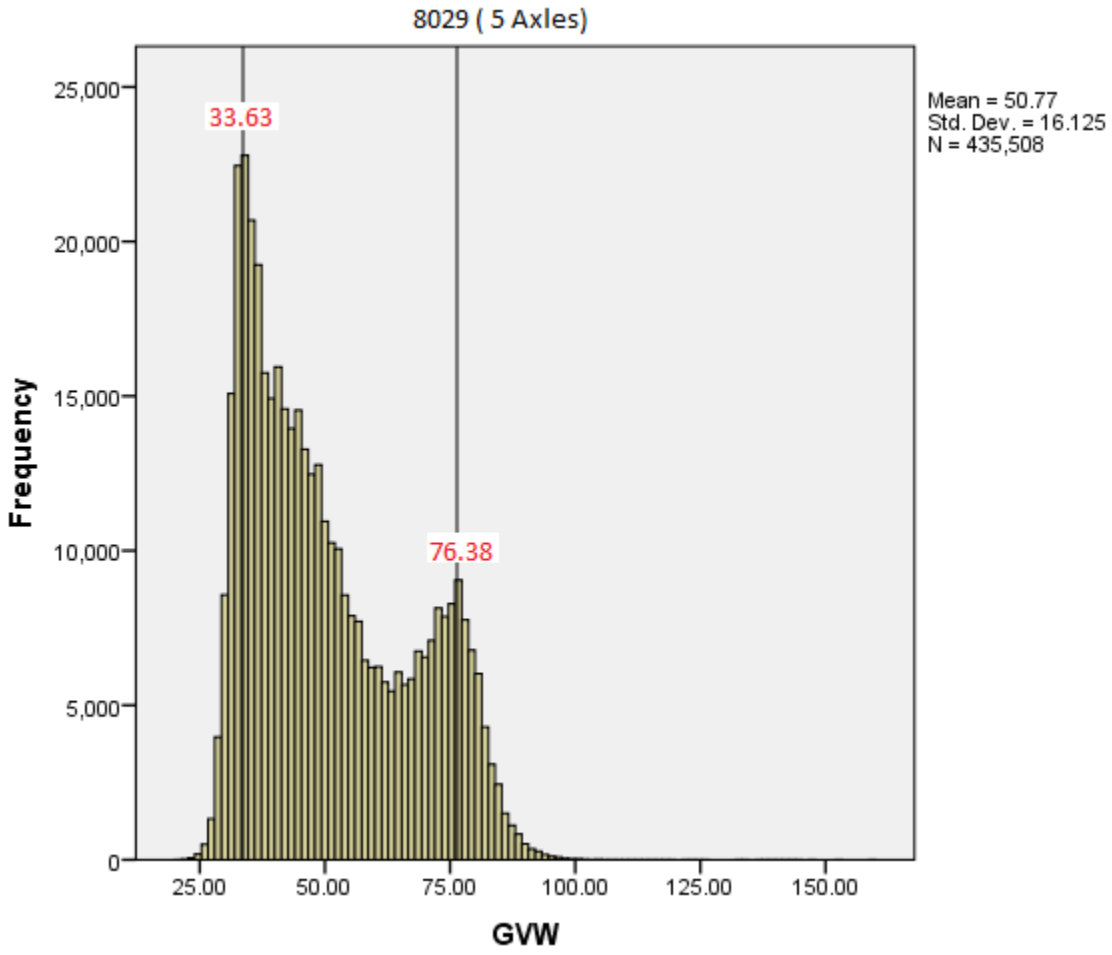


Statistics

GVW

N	Valid	797473
	Missing	0
Mean		51.6122
Std. Error of Mean		.03277
Median		43.6000
Mode		34.10
Std. Deviation		29.26319
Variance		856.334
Minimum		12.00
Maximum		266.50
Sum		41159375.80

Figure B57. Frequency Histogram of All Vehicles, Site 8029.

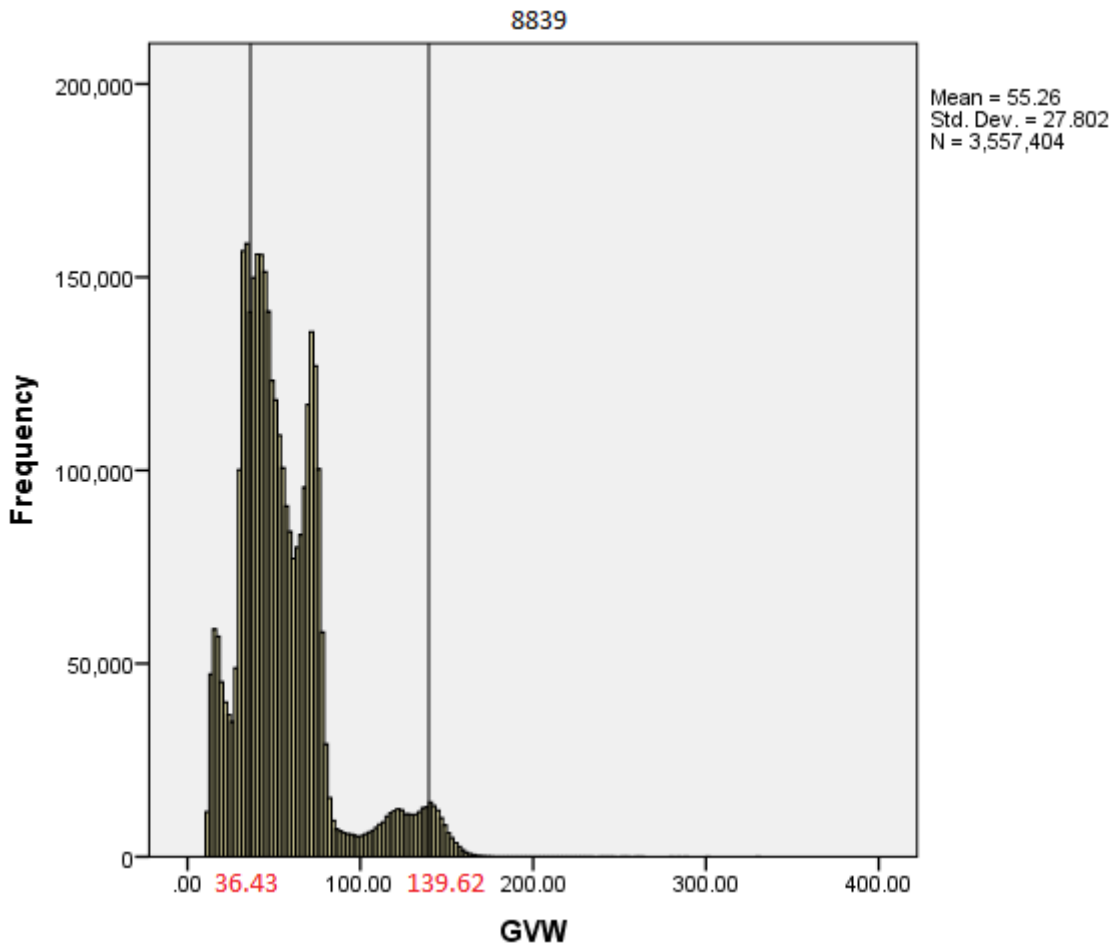


Statistics

GVW

N	Valid	435508
	Missing	0
Mean		50.7652
Std. Error of Mean		.02444
Median		46.6000
Mode		33.70
Std. Deviation		16.12545
Variance		260.030
Minimum		20.20
Maximum		159.90
Sum		22108666.70

Figure B58. Frequency Histogram of 5-Axle Vehicles, Site 8029.

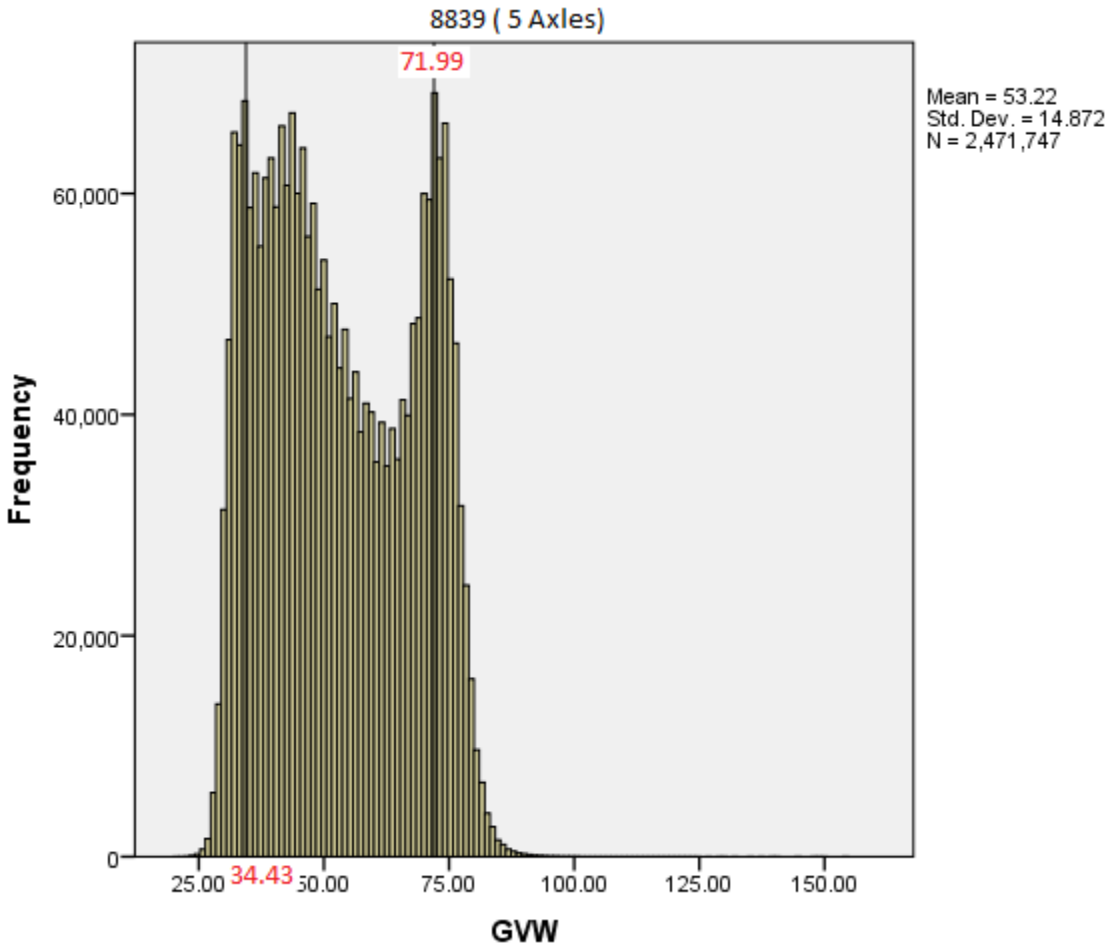


Statistics

GVW

N	Valid	3557404
	Missing	0
Mean		55.2649
Std. Error of Mean		.01474
Median		49.4000
Mode		32.80
Std. Deviation		27.80224
Variance		772.965
Minimum		12.00
Maximum		330.20
Sum		196599610.60

Figure B59. Frequency Histogram of All Vehicles, Site 8839.

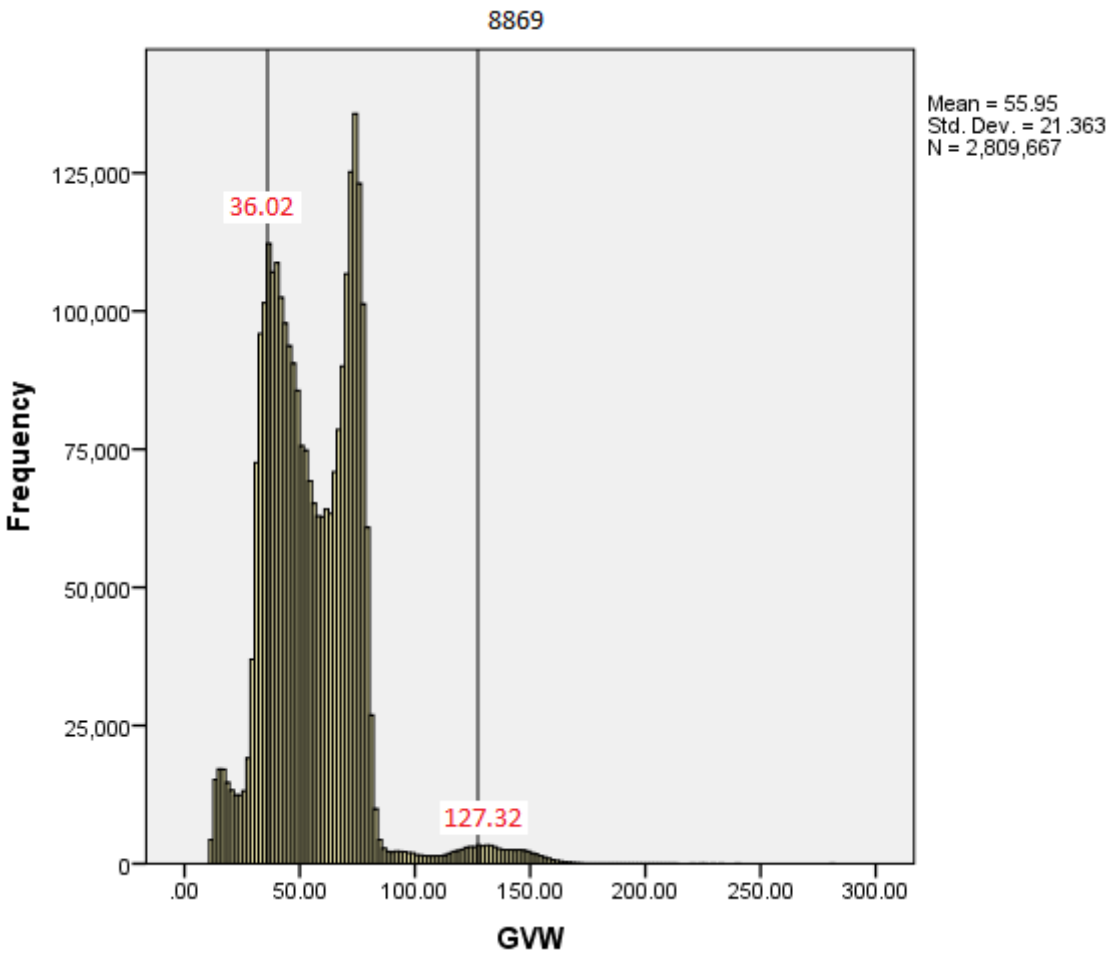


Statistics

GVW

N	Valid	2471747
	Missing	0
Mean		53.2220
Std. Error of Mean		.00946
Median		51.4000
Mode		32.80
Std. Deviation		14.87220
Variance		221.182
Minimum		20.20
Maximum		154.70
Sum		131551373.20

Figure B60. Frequency Histogram of 5-Axle Vehicles, Site 8839.

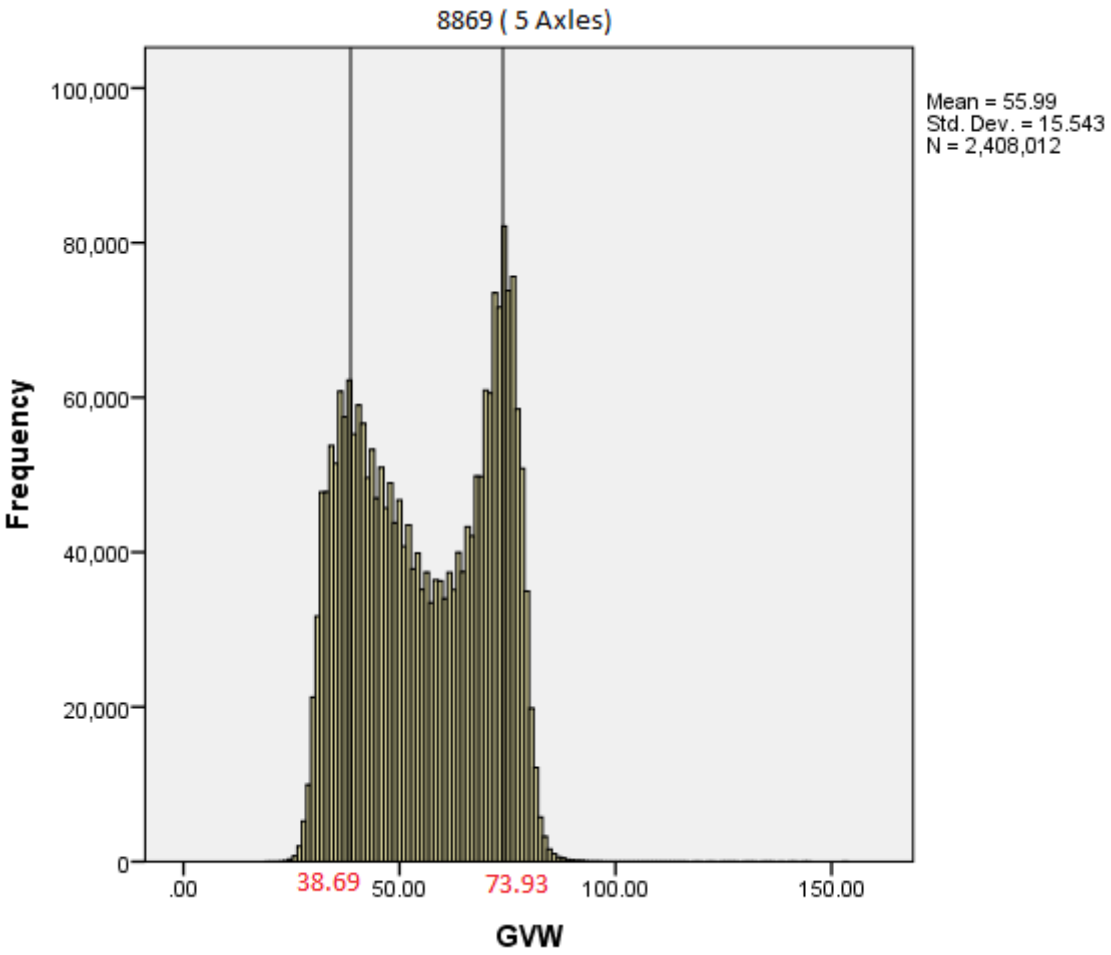


Statistics

GVW

N	Valid	2809667
	Missing	0
Mean		55.9528
Std. Error of Mean		.01275
Median		53.8000
Mode		74.60
Std. Deviation		21.36349
Variance		456.399
Minimum		12.00
Maximum		281.60
Sum		157208696.80

Figure B61. Frequency Histogram of All Vehicles, Site 8869.

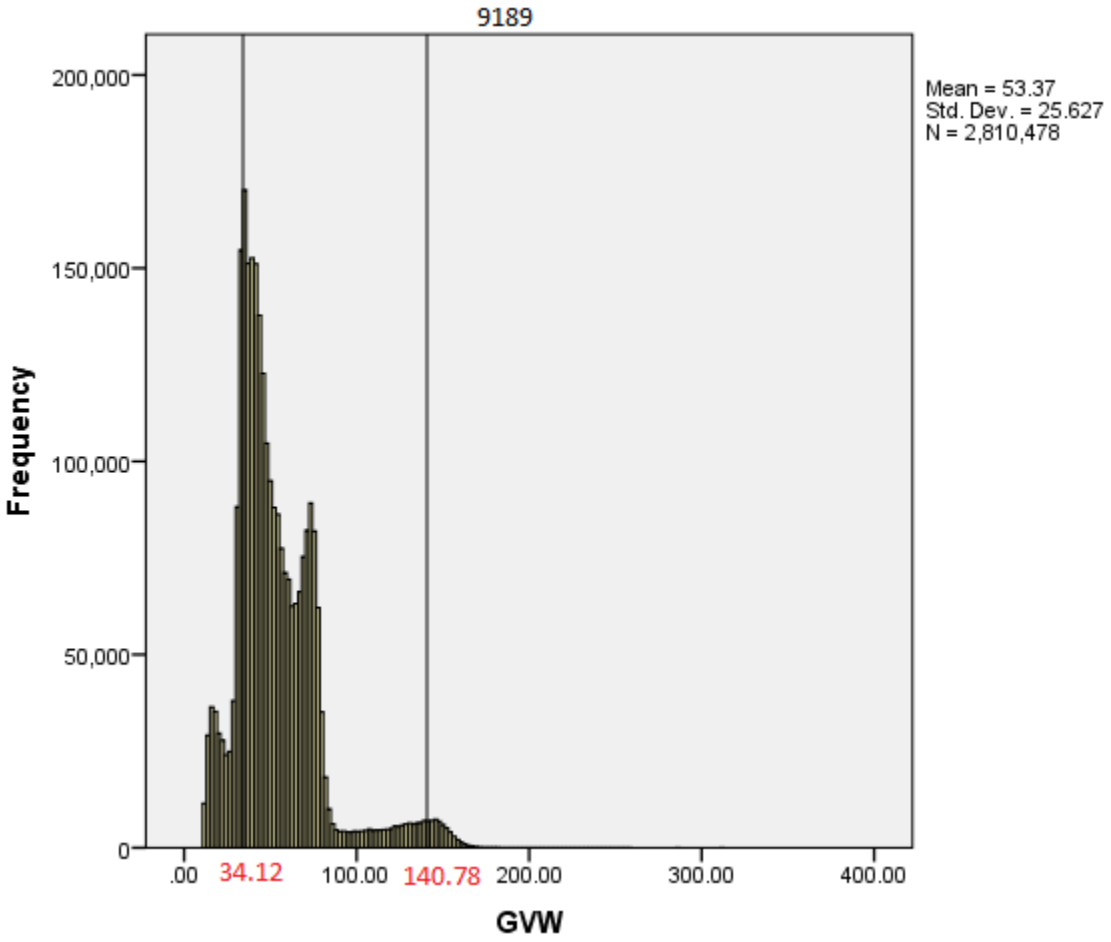


Statistics

GVW

N	Valid	2408012
	Missing	0
Mean		55.9884
Std. Error of Mean		.01002
Median		55.7000
Mode		74.60
Std. Deviation		15.54317
Variance		241.590
Minimum		19.80
Maximum		152.70
Sum		134820756.90

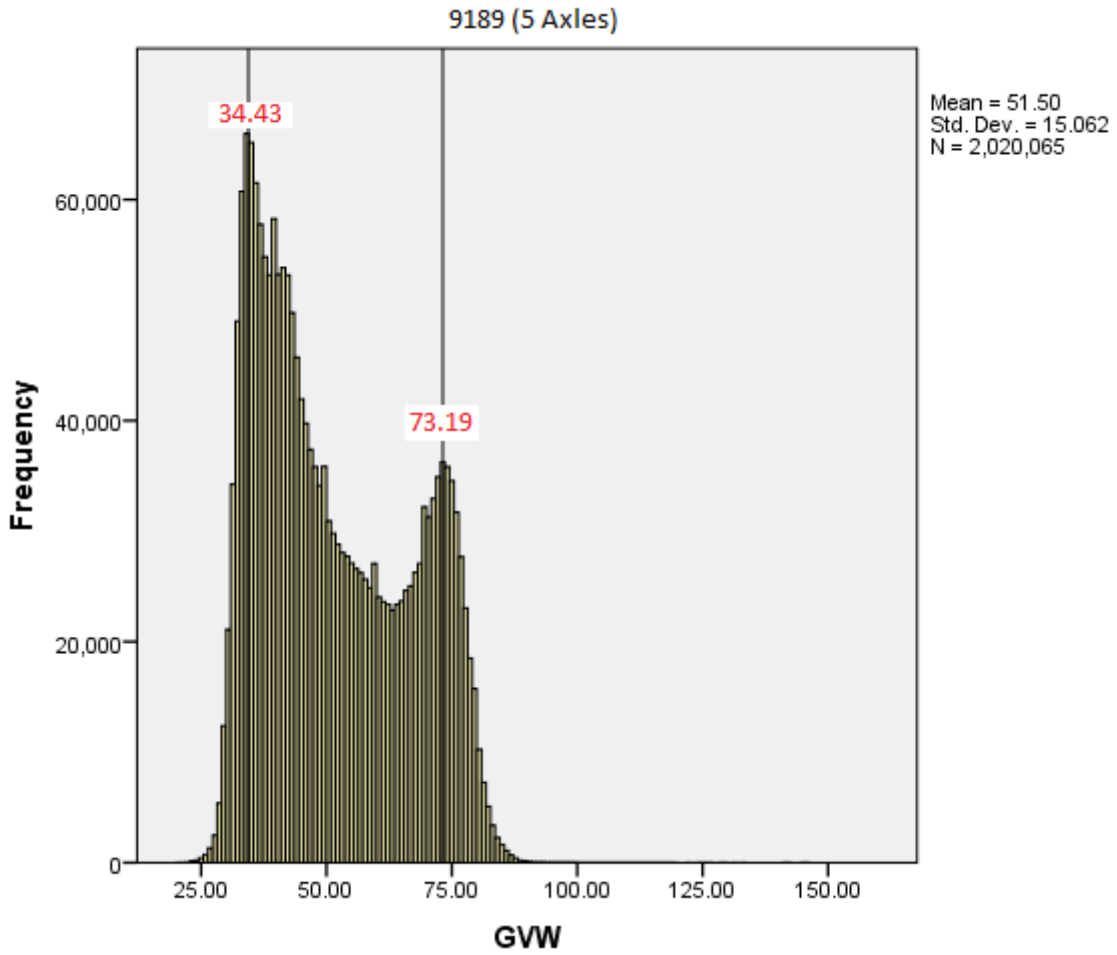
Figure B62. Frequency Histogram of 5-Axle Vehicles, Site 8869.



Statistics

		GVW
N	Valid	2810478
	Missing	0
Mean		53.3726
Std. Error of Mean		.01529
Median		47.2000
Mode		34.10
Std. Deviation		25.62662
Variance		656.724
Minimum		12.00
Maximum		311.70
Sum		150002426.90

Figure B63. Frequency Histogram of All Vehicles, Site 9189.

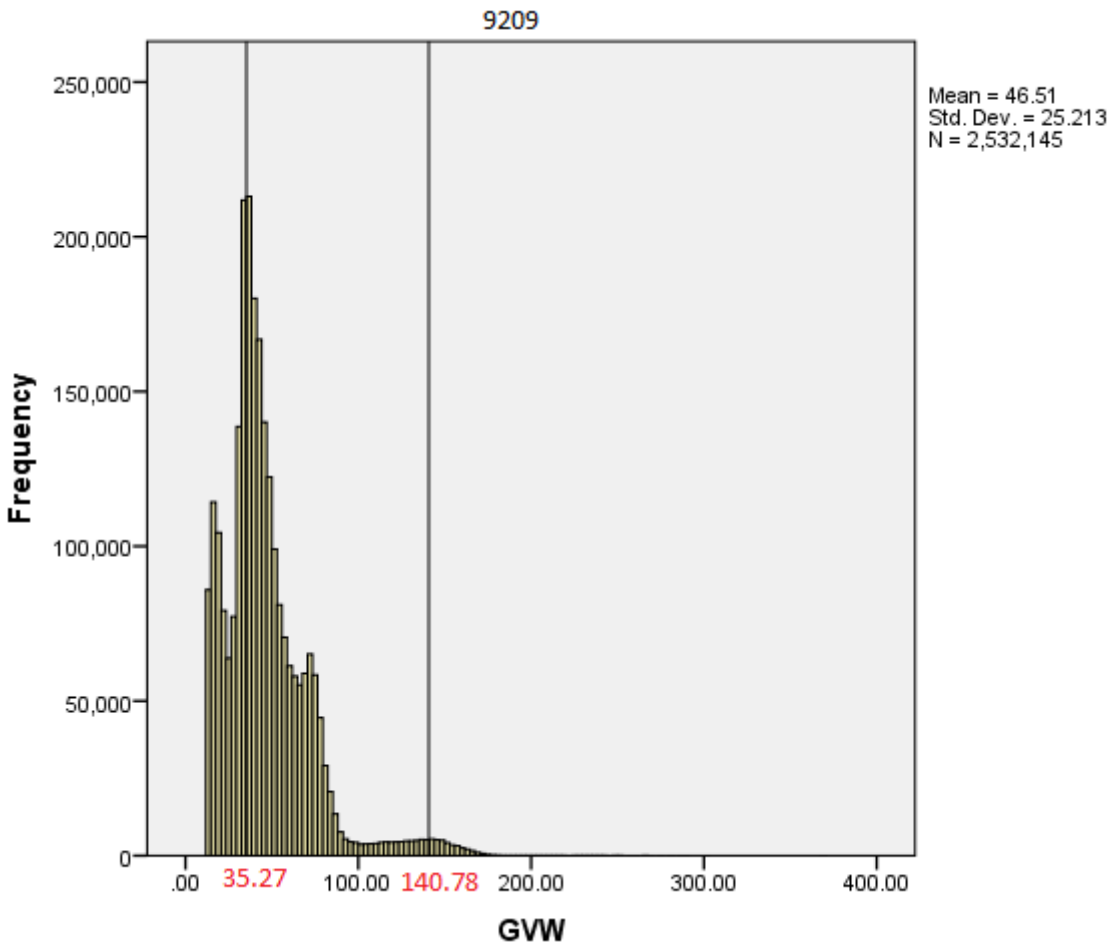


Statistics

GVW

N	Valid	2020065
	Missing	0
Mean		51.5039
Std. Error of Mean		.01060
Median		48.0000
Mode		34.10
Std. Deviation		15.06212
Variance		226.868
Minimum		20.40
Maximum		146.30
Sum		104041173.00

Figure B64. Frequency Histogram of 5-Axle Vehicles, Site 9189.

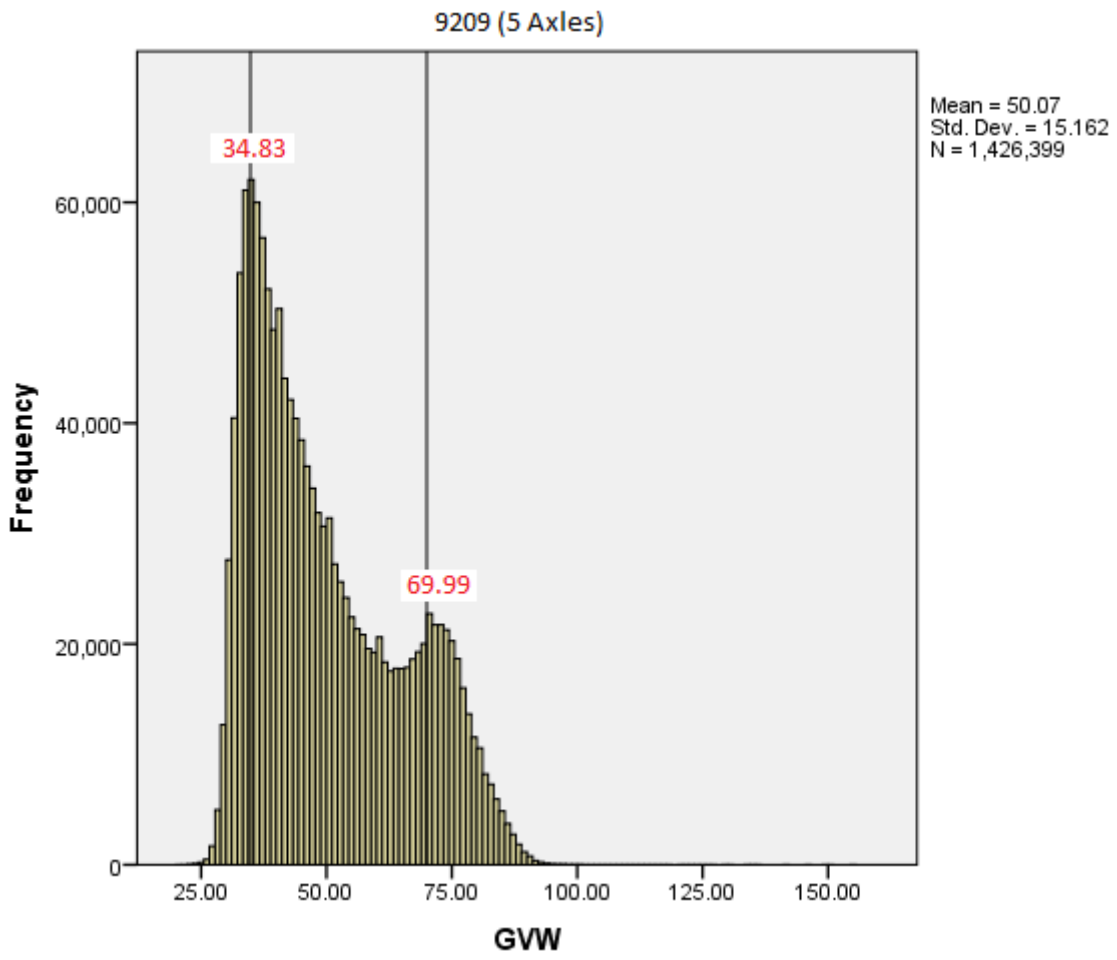


Statistics

GVW

N	Valid	2532145
	Missing	0
Mean		46.5107
Std. Error of Mean		.01584
Median		41.1000
Mode		34.60
Std. Deviation		25.21322
Variance		635.706
Minimum		12.00
Maximum		368.00
Sum		117771897.00

Figure B65. Frequency Histogram of All Vehicles, Site 9209.

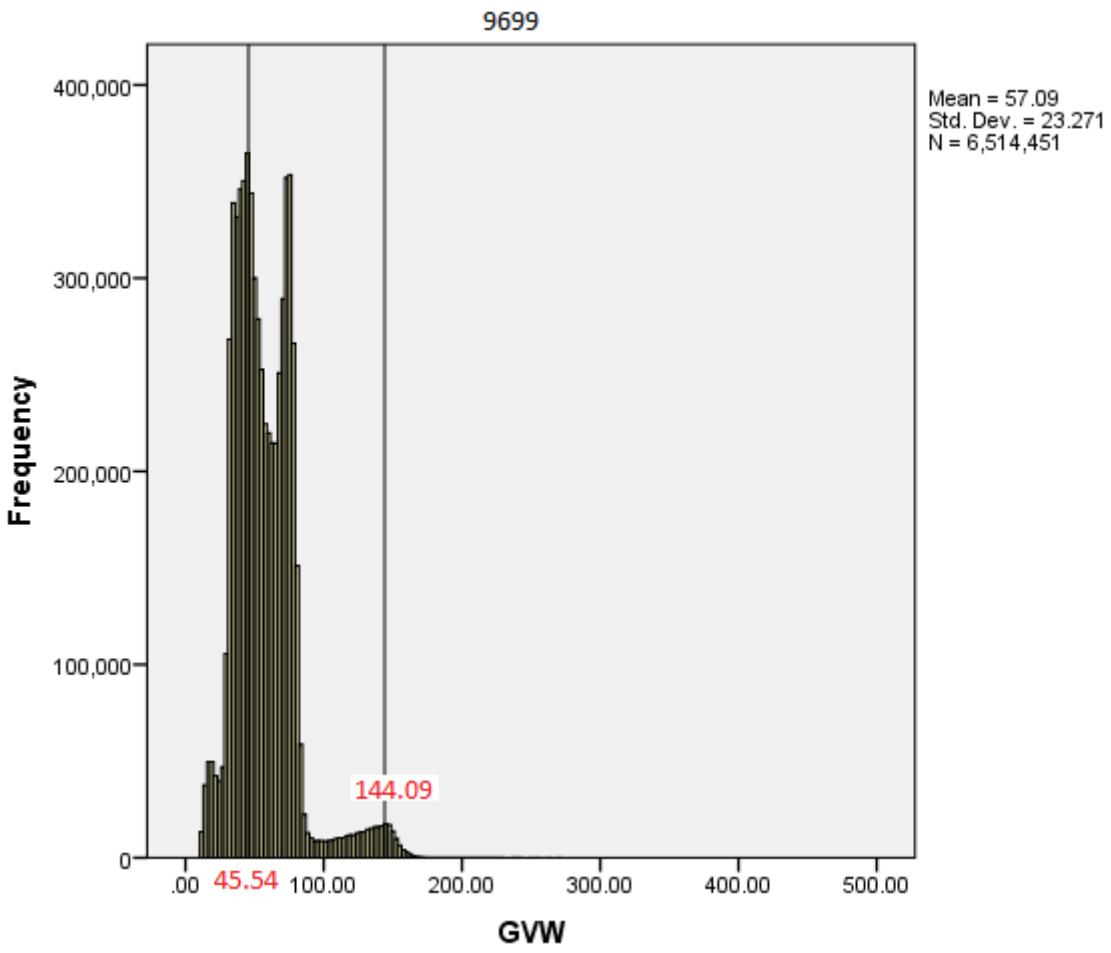


Statistics

GVW

N	Valid	1426399
	Missing	0
Mean		50.0682
Std. Error of Mean		.01270
Median		46.0000
Mode		34.60
Std. Deviation		15.16247
Variance		229.901
Minimum		20.00
Maximum		154.70
Sum		71417267.80

Figure B66. Frequency Histogram of 5-Axle Vehicles, Site 9209.

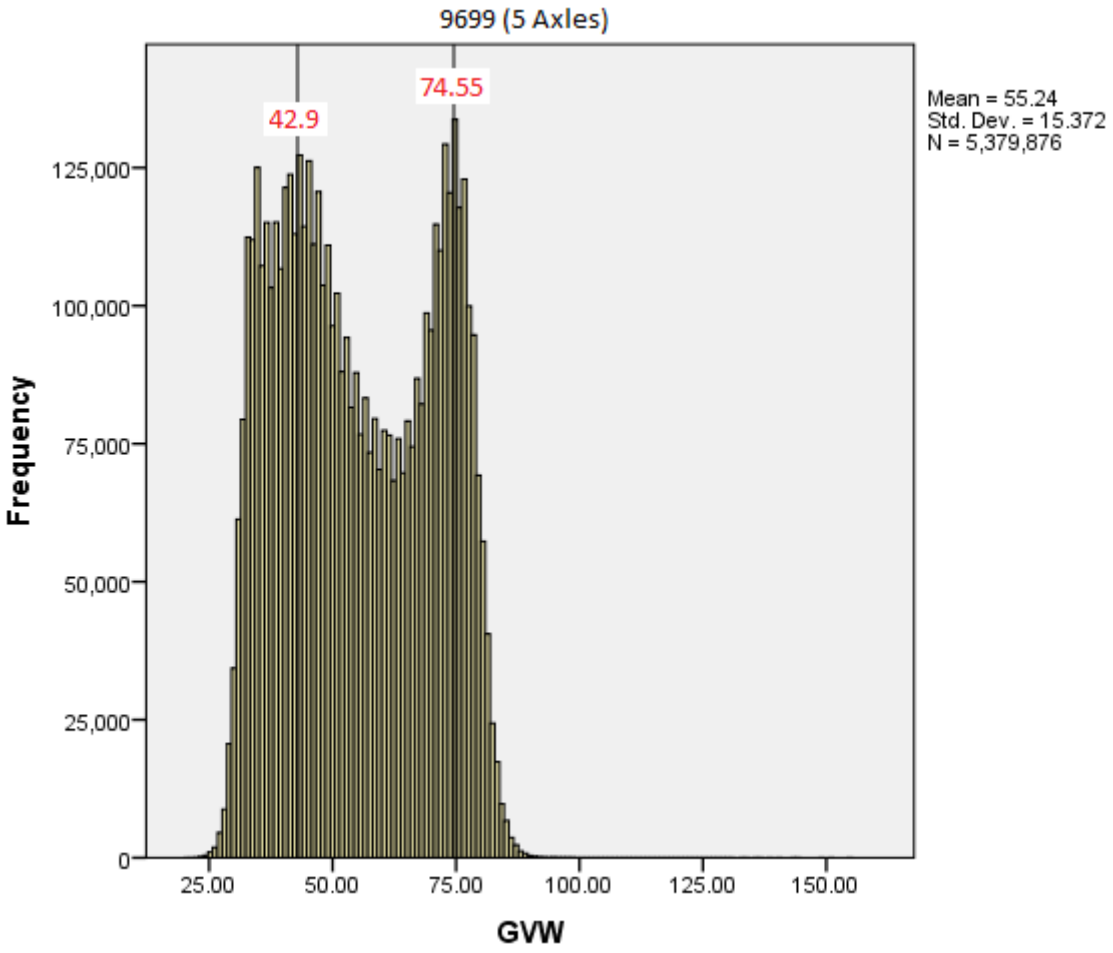


Statistics

GVW

N	Valid	6514451
	Missing	0
Mean		57.0938
Std. Error of Mean		.00912
Median		53.3000
Mode		43.50
Std. Deviation		23.27135
Variance		541.556
Minimum		12.00
Maximum		437.80
Sum		371934812.00

Figure B67. Frequency Histogram of All Vehicles, Site 9699.



Statistics

GVW

N	Valid	5379876
	Missing	0
Mean		55.2406
Std. Error of Mean		.00663
Median		53.6000
Mode		74.30
Std. Deviation		15.37201
Variance		236.299
Minimum		20.00
Maximum		154.60
Sum		297187542.90

Figure B68. Frequency Histogram of 5-Axle Vehicles, Site 9699.

APPENDIX C. MULTIPLE PRESENCE PROBABILITIES

Table C1. Multiple Presence Probabilities, ADTT < 1000, Span = 20.

(ADTT < 1000) & (Span Length is assumed 20 ft)							
Total # of Correct Data (ADTT < 1000) 106686		Headway = 10	Headway = 20	Headway = 40	Headway = 80	Headway = 160	Headway = 0.5*(first truck's length)
Following	# of Correct Data	4256	4256	4256	4256	4256	4256
	% of MP probabilities	3.99	3.99	3.99	3.99	3.99	3.99
Side by Side	# of Correct Data	43	43	44	48	60	42
	% of MP probabilities	0.04	0.04	0.04	0.04	0.06	0.04
Staggered	# of Correct Data	2	2	1	0	0	3
	% of MP probabilities	0.00	0.00	0.00	0.00	0.00	0.00
Multiple	# of Correct Data	18	18	18	18	18	18
	% of MP probabilities	0.02	0.02	0.02	0.02	0.02	0.02
Single	# of Correct Data	105861	105861	105861	105858	105846	105861
	% of MP probabilities	99.23	99.23	99.23	99.22	99.21	99.23

Table C2. Multiple Presence Probabilities, 1000 < ADTT < 2500, Span = 20.

(1000 < ADTT < 2500) & (Span Length is assumed 20 ft)							
Total # of Correct Data (1000 < ADTT < 2500) 162317		Headway = 10	Headway = 20	Headway = 40	Headway = 80	Headway = 160	Headway = 0.5*(first truck's length)
Following	# of Correct Data	13552	13552	13552	13552	13552	13552
	% of MP probabilities	8.35	8.35	8.35	8.35	8.35	8.35
Side by Side	# of Correct Data	283	346	513	915	1572	385
	% of MP probabilities	0.17	0.21	0.32	0.56	0.97	0.24
Staggered	# of Correct Data	507	444	283	9	0	405
	% of MP probabilities	0.31	0.27	0.17	0.01	0.00	0.25
Multiple	# of Correct Data	390	390	390	390	390	390
	% of MP probabilities	0.24	0.24	0.24	0.24	0.24	0.24
Single	# of Correct Data	159864	159864	159858	159730	159082	159864
	% of MP probabilities	98.49	98.49	98.49	98.41	98.01	98.49

Table C3. Multiple Presence Probabilities, 2500 < ADTT < 5000, Span = 20.

(2500 < ADTT < 5000) & (Span Length is assumed 20 ft)							
Total # of Correct Data (2500 < ADTT < 5000) 468984		Headway = 10	Headway = 20	Headway = 40	Headway = 80	Headway = 160	Headway = 0.5*(first truck's length)
Following	# of Correct Data	79289	79289	79289	79289	79289	79289
	% of MP probabilities	16.91	16.91	16.91	16.91	16.91	16.91
Side by Side	# of Correct Data	1853	2601	4341	8101	14657	3070
	% of MP probabilities	0.40	0.55	0.93	1.73	3.13	0.65
Staggered	# of Correct Data	5509	4761	3046	129	2	4292
	% of MP probabilities	1.17	1.02	0.65	0.03	0.00	0.92
Multiple	# of Correct Data	3703	3703	3703	3703	3703	3703
	% of MP probabilities	0.79	0.79	0.79	0.79	0.79	0.79
Single	# of Correct Data	453863	453863	453838	452995	446566	453863
	% of MP probabilities	96.78	96.78	96.77	96.59	95.22	96.78

Table C4. Multiple Presence Probabilities, ADTT > 5000, Span = 20.

(ADTT > 5000) & (Span Length is assumed 20 ft)							
Total # of Correct Data (2500 < ADTT < 5000) 2807890		Headway = 10	Headway = 20	Headway = 40	Headway = 80	Headway = 160	Headway = 0.5*(first truck's length)
Following	# of Correct Data	743360	743360	743360	743360	743360	743360
	% of MP probabilities	26.47	26.47	26.47	26.47	26.47	26.47
Side by Side	# of Correct Data	19216	27332	45349	85287	157411	33007
	% of MP probabilities	0.68	0.97	1.62	3.04	5.61	1.18
Staggered	# of Correct Data	59305	51189	33436	1247	12	45514
	% of MP probabilities	2.11	1.82	1.19	0.04	0.00	1.62
Multiple	# of Correct Data	41830	41830	41830	41830	41830	41830
	% of MP probabilities	1.49	1.49	1.49	1.49	1.49	1.49
Single	# of Correct Data	2650261	2650261	2649997	2642248	2571359	2650261
	% of MP probabilities	94.39	94.39	94.38	94.10	91.58	94.39

Table C5. Multiple Presence Probabilities, ADTT < 1000, Span = 60.

(ADTT < 1000) & (Span Length is assumed 60 ft)							
Total # of Correct Data (ADTT < 1000) 106686		Headway = 10	Headway = 20	Headway = 40	Headway = 80	Headway = 160	Headway = 0.5*(first truck's length)
Following	# of Correct Data	5901	5901	5901	5901	5901	5901
	% of MP probabilities	5.53	5.53	5.53	5.53	5.53	5.53
Side by Side	# of Correct Data	43	43	44	48	60	42
	% of MP probabilities	0.04	0.04	0.04	0.04	0.06	0.04
Staggered	# of Correct Data	9	9	8	4	0	10
	% of MP probabilities	0.01	0.01	0.01	0.00	0.00	0.01
Multiple	# of Correct Data	19	19	19	19	19	19
	% of MP probabilities	0.02	0.02	0.02	0.02	0.02	0.02
Single	# of Correct Data	105620	105620	105620	105620	105612	105620
	% of MP probabilities	99.00	99.00	99.00	99.00	98.99	99.00

Table C6. Multiple Presence Probabilities, 1000 < ADTT < 2500, Span = 60.

(1000 < ADTT < 2500) & (Span Length is assumed 60 ft)							
Total # of Correct Data (1000 < ADTT < 2500) 162317		Headway = 10	Headway = 20	Headway = 40	Headway = 80	Headway = 160	Headway = 0.5*(first truck's length)
Following	# of Correct Data	19327	19327	19327	19327	19327	19327
	% of MP probabilities	11.91	11.91	11.91	11.91	11.91	11.91
Side by Side	# of Correct Data	283	346	513	915	1572	385
	% of MP probabilities	0.17	0.21	0.32	0.56	0.97	0.24
Staggered	# of Correct Data	894	831	664	267	0	792
	% of MP probabilities	0.55	0.51	0.41	0.16	0.00	0.49
Multiple	# of Correct Data	569	569	569	569	569	569
	% of MP probabilities	0.35	0.35	0.35	0.35	0.35	0.35
Single	# of Correct Data	158831	158831	158831	158826	158436	158831
	% of MP probabilities	97.85	97.85	97.85	97.85	97.61	97.85