### **Linear Regression Results**

The REG Procedure Model: Linear\_Regression\_Model
Dependent Variable: num\_subscribers

Number of Observations Read | 3676 Number of Observations Used 3676

Stepwise Selection: Step 0

First Var Entered: R-Square = 0.0026 and C(p) = 2691.232

Analysis of Variance									
Sum of Mean									
Source	DF	Squares	Square	F Value	Pr > F				
Model	1	845285496	845285496	9.41	0.0022				
Error	3674	3.298873E11	89789679						
<b>Corrected Total</b>	3675	3.307326E11							

		Parameter	Standard							
	Variable	Estimate	Error	Type II SS	F Value	Pr > F				
	Intercept	2679.92728	230.38086	12150094549	135.32	<.0001				
*	price	7.85496	2.56009	845285496	9.41	0.0022				
Г	* Forced into the model by the INCLUDE= option									

Bounds on condition number: 1, 1

Stepwise Selection: Step 1

Variable num\_reviews Entered: R-Square = 0.4240 and C(p) = 4.3739

Analysis of Variance										
Sum of Mean										
Source	DF	Squares	Square	F Value	Pr > F					
Model	2	1.40243E11	70121510635	1352.08	<.0001					
Error	3673	1.904895E11	51862114							
<b>Corrected Total</b>	3675	3.307326E11								

		Parameter	Standard							
	Variable	Estimate	Error	Type II SS	F Value	Pr > F				
	Intercept	2405.72376	175.16863	9782031279	188.62	<.0001				
*	price	-3.66051	1.95830	181207197	3.49	0.0617				
	num_reviews	6.62500	0.12779	1.393977E11	2687.85	<.0001				
	* Forced into the model by the INCLUDE= option									

Bounds on condition number: 1.013, 4.0521

Stepwise Selection: Step 2

Generated by the SAS System ('Local', X64\_10PRO) on 09 January 2023 at 5:13:52 PM

# The REG Procedure Model: Linear\_Regression\_Model Dependent Variable: num\_subscribers

Analysis of Variance										
Sum of Mean										
Source	DF	Squares	Square	F Value	Pr > F					
Model	3	1.403826E11	46794200508	902.70	<.0001					
Error	3672	1.9035E11	51838226							
Corrected Total	3675	3 307326F11								

		Parameter	Standard								
	Variable	Estimate	Error	Type II SS	F Value	Pr > F					
	Intercept	2332.77554	180.68267	8640980281	166.69	<.0001					
*	price	-4.58434	2.03719	262507307	5.06	0.0245					
	num_reviews	6.58089	0.13055	1.317161E11	2540.91	<.0001					
	content_duration	34.40370	20.96613	139580254	2.69	0.1009					
	* Forced into the model by the INCLUDE= option										

Bounds on condition number: 1.1425, 9.8916

All variables left in the model are required or significant at the 0.1500 level.

No other variable met the 0.1500 significance level for entry into the model.

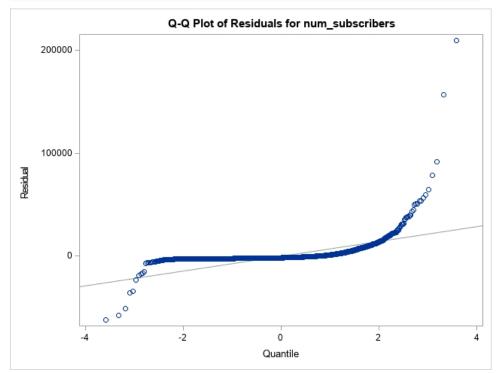
	Summary of Stepwise Selection											
	Variable Variable Number Partial Model											
Step	Entered	Removed	Vars In	R-Square	R-Square	C(p)	F Value	Pr > F				
1	num_reviews		2	0.4215	0.4240	4.3739	2687.85	<.0001				
2	content duration		3	0.0004	0.4245	3.6815	2.69	0.1009				

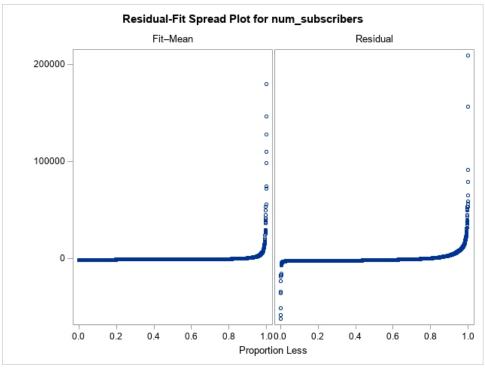
# **Linear Regression Results**

The REG Procedure
Model: Linear\_Regression\_Model
Dependent Variable: num\_subscribers

**Linear Regression Results** 

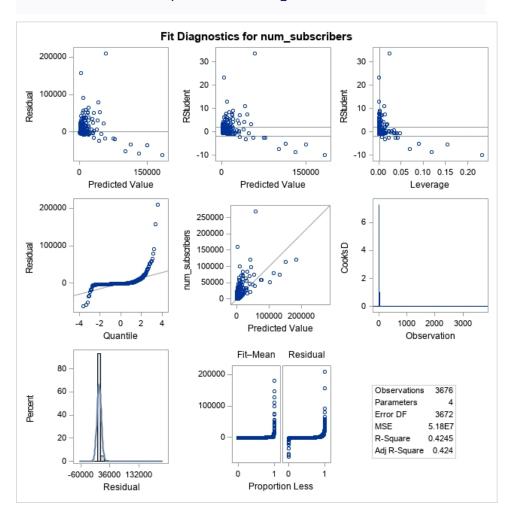
The REG Procedure
Model: Linear\_Regression\_Model
Dependent Variable: num\_subscribers





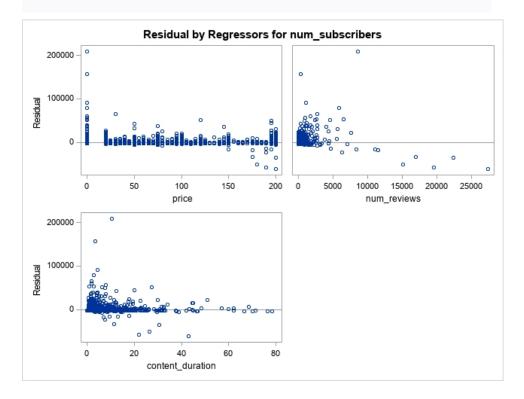
**Linear Regression Results** 

The REG Procedure Model: Linear\_Regression\_Model
Dependent Variable: num\_subscribers



# **Linear Regression Results**

The REG Procedure Model: Linear\_Regression\_Model
Dependent Variable: num\_subscribers



### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 268923 59480.53 209442.47 29.4433 33.6825 161029 4289.26 156739.74 21.7765 23.3322 121584 183507.85 -61923.85 -9.8146 -9.9445 11.0199 11.2053 120291 41421.19 78869.81 114512 -5.3540 -5.3743 149956 17 -35444 17 101154 9344.88 91809.12 12.7573 13.0480 98867 45290.76 53576.24 7.4949 7.5518 84897 19933.75 64963.25 9.0348 9.1357 83737 32815.34 50921.66 7.0980 7.1462 -4.9728 79612 113643.38 -34031.38 -4.9568 75499 52962.95 22536.05 3.1613 3.1652 73783 131526.58 -57743.58 -8.5461 -8.6312 73110 8.2586 8.3352 13694.39 59415.61 7.5137 72932 53619.02 7.4576 19312.98 70773 39787.05 4.3267 4.3372 30985.95 69186 18575.54 50610.46 7.0471 7.0943 65576 8767.72 56808.28 7.8942 7.9610 64128 29017.25 35110.75 4 8911 4 9064 5.4850 5.5068 59639 20203.35 39435.65 59361 77978.07 -18617.07 -2.6428 -2.6449 75085.34 -16877.34 -2.3905 -2.3921 58208 57422 7448.56 49973.44 6.9463 6.9915 56659 31320.56 25338.44 3.5315 3.5370 55332 10188.50 45143.50 6.2787 6.3118 53851 14195.00 39656.00 5.5121 5.5343 5.0835 36448.08 5.0664 51257 14808.92 50855 20139.63 30715.37 4.2724 4.2825 50815 101902.64 -51087.64 -7.3572 -7.4110 48650 5.2966 5.3162 10535.57 38114.43 47886 6.0414 4409.16 43476.84 6.0708 47811 9269.49 38541.51 5.3555 5.3758 5.2350 5.2539 47652 9979 19 37672 81 47062 39412.39 1.0680 1.0680 7649.61 44044 12876.74 31167.26 4.3319 4.3425 43977 48615.49 -4638.49 -0.6494 -0.6494 43285 5581.53 37703.47 5.2375 5.2565 41478 3.5029 3.5083 16282.18 25195.82 40070 56863.18 -16793.18 -2.3580 -2.3595 37141 15124.58 22016.42 3.0836 3.0872 36322 19716.37 16605.63 2.3095 2.3108 29849.96 36288 4.1495 4.1587 6438.04 31597.77 4.3893 4.4003 35267 3669.23 33788 31713.70 2074.30 0.2895 0.2895 33677 27589.16 6087.84 0.8491 0.8491 33205 3.8587 3.8660 5430.58 27774.42 32935 20691.73 12243.27 1.7070 1.7075 32696 5244.42 27451.58 3.8157 3.8228 32260 8998.18 23261.82 3.2323 3.2365 3.7477 31499 4537.85 26961.15 3.7544 31070 7743.38 23326.62 3.2436 3.2478 30531 15255.56 15275.44 2.1235 2.1245 29990 11766.40 18223.60 2.5345 2.5364 6675.14 3.1519 3.1557 29348 22672.86 29167 12012.23 17154.77 2.3842 2.3857 28880 30868.35 -1988.35 -0.2774 -0.2774 28694 6362.13 22331.87 3.1042 3.1079 28125 2791.64 25333.36 3.5192 3.5246 27801 30601.97 -2800.97 -0.3903 -0.3903 26800 22264 26 3 0930 3 0966 4535 74 26742 17679.51 1.2601 1.2602 9062.49 26697 9586.42 17110.58 2.3777 2.3792 26673 2.3917 2.3933 9460.36 17212.64 26541 7371.66 19169.34 2.6635 2.6657 3.1832 3.1871 26504 3590.63 22913.37 25864 3650.31 22213.69 3.0860 3.0896 25854 4323.65 21530.35 2.9911 2.9943

21691 45

20954.85

25799

25277

4107 55

4322.15

3.0151

2.9111

3.0185

# **Regression Analysis Predictions** num\_subscriberspredicted\_num\_subscribersresidual\_num\_subscribersstudent\_num\_subscribersrstudent\_num\_subscribers249785233.3419744.662.74442.7469 24861 4973.71 2.7668 2.7693 19887.29

24001	4973.71	19007.29	2.7000	2.7093
24857	1697.84	23159.16	3.2197	3.2238
24687	5141.72	19545.28	2.7156	2.7179
24575	5770.97	18804.03	2.6145	2.6166
24481	17228.22	7252.78	1.0087	1.0087
23764	5654.95	18109.05	2.5158	2.5177
23669	5795.82	17873.18	2.4833	2.4850
23572	3348.06	20223.94	2.8095	2.8121
23412	8245.13	15166.87	2.1203	2.1213
23229	16943.86	6285.14	0.8739	0.8739
22999	5412.01	17586.99	2.4452	2.4468
22623	7325.33	15297.67	2.1252	2.1262
22355	2395.92	19959.08	2.7726	2.7751
22344	7138.78	15205.22	2.1126	2.1136
				0.3911
22257	19445.52	2811.48	0.3911	
22213	2843.23	19369.77	2.6910	2.6932
21998	23991.86	-1993.86	-0.2774	-0.2774
21730	1903.35	19826.65	2.7563	2.7588
21701	10561.14	11139.86	1.5487	1.5490
21689	9474.54	12214.46	1.6973	1.6978
21682	9636.47	12045.53	1.6739	1.6743
21653	3137.94	18515.06	2.5720	2.5740
21245	8382.11	12862.89	1.7873	1.7879
	10413.07			1.4919
21147		10733.93	1.4916	
21087	3466.65	17620.35	2.4481	2.4497
20890	8654.93	12235.07	1.7001	1.7005
20652	43554.51	-22902.51	-3.2022	-3.2062
20195	9290.90	10904.10	1.5161	1.5164
20073	6431.63	13641.37	1.8953	1.8960
19909	5140.73	14768.27	2.0518	2.0527
19614	6563.25	13050.75	1.8133	1.8139
19339	7626.81	11712.19	1.6274	1.6277
19210	22942.71	-3732.71	-0.5193	-0.5193
18818	5160.42	13657.58	1.8976	1.8983
18777	9610.65	9166.35	1.2736	1.2738
18496	4941.81	13554.19	1.8832	1.8838
18324	4100.18	14223.82	1.9761	1.9769
18303	2865.66	15437.34	2.1460	2.1470
18170	3716.84	14453.16	2.0207	2.0216
18143	3356.26	14786.74	2.0542	2.0551
18101	2413.46	15687.54	2.1797	2.1809
17895	2971.59	14923.41	2.0744	2.0753
	11843.66			
17847		6003.34	0.8343	0.8343
17802	16442.42	1359.58	0.1890	0.1890
17784	3579.91	14204.09	1.9745	1.9753
17759	2307.04	15451.96	2.1467	2.1478
17714	3435.30	14278.70	1.9835	1.9843
17671	32846.69	-15175.69	-2.1156	-2.1166
17554	2911.30	14642.70	2.0342	2.0351
17463	4246.77	13216.23	1.8362	1.8368
17334	6907.89	10426.11	1.4492	1.4494
17297	22772.66	-5475.66	-0.7618	-0.7618
			1.4884	
17160	6447.33	10712.67		1.4887
17113	4931.13	12181.87	1.6924	1.6929
17071	1579.39	15491.61	2.1537	2.1548
16926	3087.57	13838.43	1.9223	1.9230
16900	17922.34	-1022.34	-0.1422	-0.1422
16829	7626.07	9202.93	1.2785	1.2786
16731	2924.94	13806.06	1.9179	1.9186
16590	2410.58	14179.42	1.9697	1.9705
16527	4731.22	11795.78	1.6388	1.6392
	3030.67	13455.33	1.8693	1.8700
16486				
16409	5888.10	10520.90	1.4616	1.4618
16385	3957.51	12427.49	1.7263	1.7268
16282	4069.31	12212.69	1.6983	1.6988
16212	4832.89	11379.11	1.5821	1.5824
16158	3133.14	13024.86	1.8116	1.8121

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 15724 2418.18 13305.82 1.8484 1.8490 15715 5125.03 10589.97 1.4713 1.4716 15500 9215.91 6284.09 0.8880 0.8880 15493 5132.65 10360.35 1.4394 1.4396 15462 1.1727 1.1728 7021 83 8440 17 15276 2566.52 12709.48 1.7669 1.7674 15276 13141.89 2134.11 0.2967 0.2967 15187 8899.83 6287.17 0.8736 0.8736 15134 5860.59 9273.41 1.2884 1.2885 1.7866 1.7872 15106 2244.56 12861.44 15092 10642.82 4449.18 0.6183 0.6182 15064 3325.17 11738.83 1.6311 1.6314 14922 1.0401 1.0402 7436.16 7485.84 14842 12529.59 1.7420 1.7425 2312.41 14813 0.4661 0.4661 11459.02 3353.98 14606 3294.85 11311.15 1.5717 1.5720 14560 2441.51 12118.49 1.6835 1.6839 14551 3404.87 11146.13 1 5484 1 5487 14495 1.4754 1.4756 3875.70 10619.30 14440 3542.02 10897.98 1.5140 1.5142 1.6660 14260 2267.11 1.6664 11992.89 14254 2218.24 12035.76 1.6720 1.6724 14118 2048.89 12069.11 1.6768 1.6772 14103 12388.65 1714.35 0.2385 0.2384 14074 3259.82 10814.18 1.5027 1.5030 14026 1.4077 1.4079 3893.95 10132.05 13960 3899.93 10060.07 1.3976 1.3977 13920 2478.93 11441.07 1.5893 1.5897 13882 1.6284 1.6288 2162.93 11719.07 13708 1.5044 2881.10 10826.90 1.5041 13535 5497.14 8037.86 1.1168 1.1168 13457 1.3783 3535 74 9921 26 1 3782 13439 15387.15 -1948.15 -0.2710 -0.2709 10966.74 13406 2439.26 1.5235 1.5238 13242 3229.28 10012.72 1.3911 1.3913 13210 8787.81 4422.19 0.6145 0.6144 13130 4833.39 8296.61 1.1528 1.1528 13016 4266.52 8749.48 1.2156 1.2157 13010 20017.29 -7007.29 -0.9744 -0.9744 1.3639 1.3641 12974 3156.89 9817.11 12953 6561.41 6391.59 0.8879 0.8879 12952 9512.14 1.3216 1.3217 3439.86 12893 3729.18 9163.82 1.2730 1.2731 12882 2665.74 10216.26 1.4192 1.4194 12873 2199.49 1.4838 1.4841 10673.51 12838 2328.50 10509.50 1.4604 1.4606 12815 3547.14 9267.86 1.2880 1.2881 1.3198 12781 3281.33 9499.67 1.3197 12629 2619.67 10009.33 1.3904 1.3906 12563 3925.10 8637.90 1.2001 1.2002 12458 4043.67 8414.33 1.1689 1.1690 12394 3417.91 8976.09 1.2469 1.2470 1.4211 1.4213 12368 2144.94 10223.06 12366 5422.22 6943.78 0.9647 0.9647 12340 2317.95 10022.05 1.3932 1.3934 12336 8099.39 1.1253 4236.61 1.1253 12328 2271.08 10056.92 1.3970 1.3972 12293 3982.50 8310.50 1.1546 1.1547 12217 4677 07 7539 93 1 0476 1 0476 12201 3950.05 8250.95 1.1464 1.1464 12105 3378.00 8727.00 1.2124 1.2125 12103 0.8260 0.8260 6157.77 5945.23 12068 2023.49 10044.51 1.3964 1.3965 12021 5919.83 6101.17 0.8481 0.8481 11958 5071.66 6886.34 0.9570 0.9569 11893 2660.85 9232.15 1.2825 1.2826

9602 60

9110.30

1 3340

1.2656

1 3341

1.2657

11892

11847

2289 40

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 11832 14891.44 -3059.44 -0.4263 -0.4262 11812 3401.88 8410.12 1.1684 1.1685 11758 3959.76 7798.24 1.0834 1.0835 0.7042 0.7042 11724 6655.38 5068.62 0.7784 0.7784 11666 6063 56 5602 44 11643 3020.92 8622.08 1.1978 1.1979 11574 1963.62 9610.38 1.3361 1.3363 11536 8229.57 3306.43 0.4594 0.4593 11533 3981.00 7552.00 1.0492 1.0492 1.2484 11517 2531.39 8985.61 1.2483 11492 3403.87 8088.13 1.1256 1.1257 11441 8928.16 2512.84 0.3493 0.3493 11384 14441.11 -3057.11 -0.4249 -0.4248 11339 2484.03 8854.97 1.2301 1.2301 2299.30 8985.70 1.2490 1.2491 11285 11285 2299.30 8985.70 1.2490 1.2491 11262 3106.85 8155.15 1.1329 1.1329 11170 2213.60 8956.40 1.2442 1.2443 11170 8956.40 1.2442 1.2443 2213.60 11167 2533.65 8633.35 1.1994 1.1994 2533.65 8633.35 1.1994 1.1994 11167 1.0597 11080 3453.03 7626.97 1.0596 11026 3867.62 7158.38 0.9945 0.9945 11026 3867.62 7158.38 0.9945 0.9945 11011 1587.47 9423.53 1.3101 1.3102 10945 10572.60 372.40 0.0518 0.0518 10917 4500.89 6416.11 0.8914 0.8914 10890 3556.12 7333.88 1.0188 1.0188 10875 4316.17 0.5996 0.5996 6558.83 8426.92 1.1713 1.1714 10874 2447.08 10869 17128.65 -6259.65-0.8702-0.8701 10864 8277.04 1 1498 1.1498 2586 96 10780 3091.08 7688.92 1.0682 1.0683 5786.23 10689 4902.77 0.8038 0.8038 10674 2155.97 8518.03 1.1842 1.1843 10670 5289.10 5380.90 0.7476 0.7476 2821.71 10610 7788.29 1.0820 1.0820 10606 6600.11 4005.89 0.5573 0.5572 10605 2467.72 8137.28 1.1304 1.1304 10603 0.4531 0.4530 7343.67 3259.33 10576 2767.51 7808.49 1.0850 1.0850 10540 7642.51 2897.49 0.4026 0.4025 10518 2442.58 8075.42 1.1225 1.1225 10435 6531.46 3903.54 0.5423 0.5422 10394 2257.77 8136.23 1.1302 1.1303 10338 2623.46 7714.54 1.0717 1.0717 10247 3608.87 6638.13 0.9222 0.9222 10179 0.7958 0.7958 4450.78 5728.22 10179 1.0812 1.0812 2396.37 7782.63 10150 9215.17 934.83 0.1299 0.1299 10149 2603.97 7545.03 1.0481 1.0481 10110 4912.94 5197.06 0.7221 0.7220 2350.75 7752.25 1.0771 10103 1.0770 10100 8368.21 1731.79 0.2407 0.2407 10042 5657.39 4384.61 0.6093 0.6092 10008 1.0186 1.0186 2675.89 7332.11 0.9672 9995 3033.35 6961.65 0.9672 9945 2149.39 7795.61 1.0838 1.0838 9881 4681 52 5199 48 0.7225 0 7224 9847 2536.64 7310.36 1.0156 1.0156 9833 3953.17 5879.83 0.8169 0.8169 9832 2433.31 7398.69 1.0278 1.0278 9831 2306.21 7524.79 1.0461 1.0462 9786 8865.36 920.64 0.1279 0.1279 9773 2340.69 7432.31 1.0332 1.0332

6437.86

7687 88

7405.97

0.8948

1.0686

1.0288

0.8948

1.0686

1.0288

9762

9687

9668

3324.14

1999 12

	predicted_num_subscribers			
9607	2806.09	6800.91	0.9447	0.94
9554 9483	4714.46 3605.89	4839.54 5877.11	0.6723 0.8165	0.67
9464	4452.09	5077.11		0.69
9445	5047.72	4397.28	0.6963 0.6110	0.6
9425	3260.09	6164.91	0.8110	0.85
9421	2039.65	7381.35	1.0261	1.02
9384	1834.93	7549.07	1.0490	1.02
9381	3527.69	5853.31	0.8134	0.8
9375	3579.30	5795.70	0.8051	0.80
9367	2260.81	7106.19	0.8051	0.98
9364	4397.78	4966.22	0.6900	0.68
9359	3257.93	6101.07	0.8503	0.85
9355	4550.12	4804.88	0.6681	0.66
9351	4579.86	4771.14	0.6629	0.66
9349	3734.37	5614.63	0.7800	0.78
9332	2805.76	6526.24	0.9070	0.90
9221	2656.50	6564.50	0.9122	0.9
9193	4733.76	4459.24	0.6195	0.6
9132	12335.52	-3203.52	-0.4452	-0.4
9110	5123.53	3986.47	0.5539	0.5
9109	6447.50	2661.50	0.3698	0.3
9103	13529.43	-4426.43	-0.6151	-0.6
9067	2247.37	6819.63	0.9474	0.9
9056	2122.20	6933.80	0.9474	0.9
9028	2865.23	6162.77	0.8561	0.8
9015	2158.89	6856.11	0.0501	0.9
8985	6210.42	2774.58	0.3855	0.3
8968	2173.48	6794.52	0.9439	0.9
8964	14635.80	-5671.80	-0.7882	-0.7
8901	6958.12	1942.88	0.2738	0.2
8857	6674.25	2182.75	0.3035	0.2
8797	5304.92	3492.08	0.3035	0.3
8786	3979.50	4806.50	0.4651	0.4
8777	3946.64	4830.36	0.6714	0.6
8770	4068.74	4701.26	0.6532	0.6
8768	3505.67	5262.33	0.7311	0.7
8755	8763.63	-8.63	-0.0012	-0.0
8711	2284.27	6426.73	0.8928	0.8
8711	2374.65	6336.35	0.8802	0.8
8693	5819.61	2873.39	0.3992	0.3
8691	7754.41	936.59	0.1301	0.3
8625	2344.06	6280.94	0.8729	0.8
8594	2209.56	6384.44	0.8869	0.8
8592	4629.96	3962.04	0.5505	0.5
8577	1921.59	6655.41	0.9253	0.9
8575	6951.99	1623.01	0.9256	0.2
8496	14755.71	-6259.71	-0.8717	-0.8
8462	2638.94	5823.06	0.8089	0.8
8415	2735.71	5679.29	0.7890	0.7
8371	3779.53	4591.47	0.6379	0.6
8337	5012.32	3324.68	0.4625	0.4
8320	2746.15	5573.85	0.4023	0.4
8314	2741.54	5572.46	0.7741	0.7
8240	2588.39	5651.61	0.7852	0.7
8236	3452.44	4783.56	0.7632	0.6
8234	9787.57	-1553.57	-0.2159	-0.2
8217	3084.50	5132.50	0.7131	0.7
8196	4791.78	3404.22	0.4732	0.4
8121	6506.07	1614.93	0.4732	0.2
8113	2331.44	5781.56	0.8037	0.8
8095	3555.97	4539.03	0.6306	0.6
8067	2306.79	5760.21	0.8002	0.0
8059	3738.40	4320.60	0.6002	0.6
7941	6400.47	1540.53	0.8002	0.0
7922	3588.68	4333.32	0.6020	0.2
7922	6048.17	1856.83	0.6020	0.0
7884	2003.49	5880.51	0.2360	0.2

7004		I_num_subscribers student_		
7884	2559.41	5324.59	0.7401	0.740
7867	3311.69	4555.31	0.6328	0.632
7865	4090.79	3774.21	0.5244	0.524
7852	2182.87	5669.13	0.7876	0.787
7827	3580.95	4246.05	0.5902	0.590
7789	2360.06	5428.94	0.7542	0.754
7785	4881.42	2903.58	0.4033	0.403
7750	2536.86	5213.14	0.7242	0.724
7743	4186.37	3556.63	0.4941	0.494
7741	1836.21	5904.79	0.8204	0.820
7720	2078.42	5641.58	0.7840	0.783
7706	2683.59	5022.41	0.6977	0.69
7660	2218.43	5441.57	0.7559	0.75
7517	2637.78	4879.22	0.6778	0.67
7501	12030.41	-4529.41	-0.6422	-0.64
7489	8571.58	-1082.58	-0.1505	-0.15
7489	9671.24	-2182.24	-0.3032	-0.30
7484	4367.77	3116.23	0.4330	0.43
7449	3005.97	4443.03	0.6172	0.61
7449	2152.38	5296.62	0.7363	0.73
7438	5320.96	2117.04	0.2941	0.29
7416	2691.21	4724.79	0.6564	0.65
7407	3923.55	3483.45	0.4844	0.48
7380	2357.94	5022.06	0.6976	0.69
7375	2543.21	4831.79	0.6712	0.67
7368	3731.37	3636.63	0.5052	0.50
7331	1829.46	5501.54	0.7649	0.76
7318	3701.93	3616.07	0.5024	0.50
7304	4823.35	2480.65	0.3446	0.34
				-0.77
7282	12829.64	-5547.64	-0.7709	
7213	2306.60	4906.40	0.6816	0.68
7211	3719.12	3491.88	0.4905	0.49
7196	2471.52	4724.48	0.6563	0.65
7184	2294.27	4889.73	0.6792	0.67
7183	7665.24	-482.24	-0.0670	-0.06
7178	3419.37	3758.63	0.5225	0.52
7169	3823.34	3345.66	0.4648	0.46
7159	1886.15	5272.85	0.7330	0.73
7146	6787.64	358.36	0.0498	0.04
7142	2740.21	4401.79	0.6116	0.61
7140	2628.99	4511.01	0.6266	0.62
7130	2106.17	5023.83	0.6979	0.69
7130	2222.73	4907.27	0.6817	0.68
7090	2738.20	4351.80	0.6046	0.60
7062	2268.17	4793.83	0.6664	0.66
7059	2809.74	4249.26	0.5903	0.59
7057	6523.31	533.69	0.0742	0.07
7055	3494.01	3560.99	0.4947	0.49
7018	2528.56	4489.44	0.6237	0.62
7017	2604.99	4412.01	0.6129	0.61
7014	2883.56	4130.44	0.5738	0.57
6975	2304.79	4670.21	0.6492	0.64
6967	2197.41	4769.59	0.6626	0.66
6958	3321.87	3636.13	0.5052	0.50
6944	1647.74	5296.26	0.7363	0.73
6937	2397.35	4539.65	0.6307	0.63
6909	5040.52	1868.48	0.2596	0.25
6890	2887.09	4002.91	0.5561	0.55
6858	4531.58	2326.42	0.3232	0.32
6856	3303.17	3552.83	0.4936	0.32
6853	4973.19	1879.81	0.2612	0.26
6851	5296.46	1554.54	0.2186	0.21
6811	3395.30	3415.70	0.4746	0.47
6760	2897.09	3862.91	0.5366	0.53
6754	3084.50	3669.50	0.5098	0.50
6751	3374.05	3376.95	0.4728	0.47
6742	9174.09	-2432.09	-0.3380	-0.33
6648	2306.30	4341.70	0.6031	0.60

IInscringre	predicted num subscribers	residual num subscribers	student num eubecribore	retudent num eubecribo
6636		3003.32	0.4175	
6628		4003.72	0.5562	0.556
6612		4046.95	0.5622	0.562
6601	10117.80	-3516.80	-0.4890	-0.488
6588		-466.72	-0.0648	-0.064
6565		4649.53	0.6463	0.646
6548		3879.74	0.5390	0.538
6533	,	3920.83	0.5447	0.544
6527	11108.56	-4581.56	-0.6367	-0.630
6510	1803.78	4706.22	0.6542	0.65
6508	2541.11	3966.89	0.5514	0.55
6497	7964.56	-1467.56	-0.2041	-0.20
6474	2933.14	3540.86	0.4919	0.49
6451	3491.42	2959.58	0.4112	0.41
6437		1992.80	0.2769	0.27
6429	,	-293.69	-0.0408	-0.04
6428		4770.68	0.6632	0.66
6420		3348.17	0.4658	0.46
6413		3203.97	0.4452	0.44
6412		-2175.71	-0.3024	-0.30
6402	,	3333.21	0.4631	0.46
6374		3960.31	0.5502	0.55
6315		3581.83	0.4976	0.49
6293 6292		3137.96 2720.52	0.4359 0.3780	0.43
6292		3777.14	0.5780	0.52
6219		3837.99	0.5332	0.53
6215		3362.07	0.3332	0.46
6185		2840.85	0.3947	0.39
6162		2109.52	0.2931	0.29
6153	,	3513.25	0.4882	0.48
6134		3349.61	0.4653	0.46
6134	2715.40	3418.60	0.4752	0.47
6117	3449.70	2667.30	0.3705	0.37
6092	2113.39	3978.61	0.5527	0.55
6082	7369.18	-1287.18	-0.1789	-0.17
6073	,	198.32	0.0276	0.02
6050		3533.56	0.4909	0.49
6050		2835.98	0.3940	0.39
6039		3195.88	0.4444	0.44
6028		3177.00	0.4417	0.44
6024	8224.17 3714.62	-2200.17 2293.38	-0.3057 0.3186	-0.30
6008 6000		3912.93	0.5436	0.3 <sup>2</sup> 0.5 <sup>4</sup>
5983	1	2878.12	0.3998	0.39
5962		470.50	0.0654	0.06
5950		3848.05	0.5346	0.53
5931		2438.03	0.3387	0.33
5921		3432.29	0.4768	0.47
5874		2110.17	0.2932	0.29
5850		3518.24	0.4887	0.48
5841	2397.99	3443.01	0.4783	0.47
5840	1951.56	3888.44	0.5405	0.54
5830	2328.81	3501.19	0.4864	0.48
5811	7628.68	-1817.68	-0.2525	-0.25
5809		-5632.35	-0.7831	-0.78
5800		2587.78	0.3595	0.35
5795		2948.01	0.4095	0.40
5787		3213.87	0.4465	0.44
5786	1	559.95	0.0778	0.07
5769		2888.51	0.4013	0.40
5768		2666.30	0.3704	0.3
5739		4065.98	0.5652	0.56
5738	,	3643.89	0.5062	0.50
5715		3395.24	0.4717 0.4603	0.47
5685 5603	,	3313.52 3746.76	0.4603	0.46
5597		2729.67		
hh() /			1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	0.37

2729.67

0.3792

0.3792

5597

num_subscribers	predicted_num_subscribers	residual_num_subscribers	student_num_subscribers	rstudent_num_subscribers
5572	2414.58	3157.42	0.4389	0.438
5559	1715.05	3843.95	0.5344	0.534
5549	3242.26	2306.74	0.3206	0.320
5547 5543	2796.29 3174.55	2750.71 2368.45	0.3821 0.3291	0.382 0.329
5543	2722.55	2819.45	0.3291	0.329
5533	3268.76	2264.24	0.3146	0.314
5529	2993.86	2535.14	0.3522	0.352
5528	4917.82	610.18	0.0848	0.084
5495	2038.94	3456.06	0.4803	0.480
5484	5078.79	405.21	0.0563	0.056
5471 5456	2113.36 2784.00	3357.64 2672.00	0.4667 0.3712	0.466
5439	1698.30	3740.70	0.5200	0.519
5421	2996.40	2424.60	0.3369	0.336
5407	3630.71	1776.29	0.2468	0.246
5398	4820.76	577.24	0.0802	0.080
5397	3155.84	2241.16	0.3114	0.311
5387	2433.88	2953.12	0.4102	0.410
5368 5354	2754.44 2313.11	2613.56 3040.89	0.3631 0.4224	0.363
5354	3930.89	1420.11	0.4224	0.422
5335	2611.47	2723.53	0.3786	0.378
5334	4025.40	1308.60	0.1819	0.181
5332	7271.97	-1939.97	-0.2696	-0.269
5328	2670.80	2657.20	0.3691	0.369
5326		572.79	0.0796	0.079
5324	2623.46	2700.54	0.3752	0.375
5318 5316	2661.22 3528.78	2656.78 1787.22	0.3691 0.2490	0.369 0.249
5301	3495.05	1805.95	0.2490	0.249
5301	3379.01	1921.99	0.2670	0.267
5292	2416.89	2875.11	0.3995	0.399
5279	11651.14	-6372.14	-0.8857	-0.885
5272	3040.38	2231.62	0.3100	0.310
5263	2248.60	3014.40	0.4187	0.418
5228 5211	3511.66 4811.27	1716.34 399.73	0.2384 0.0556	0.238 0.055
5188	5134.15	53.85	0.0075	
5181	2839.96	2341.04	0.3252	0.325
5177	4454.44	722.56	0.1004	0.100
5175	5443.00	-268.00	-0.0372	-0.037
5172	1748.59	3423.41	0.4759	0.475
5151	7108.66	-1957.66	-0.2720	-0.272
5144 5143	3479.35 8709.02	1664.65 -3566.02	0.2313 -0.4955	0.231 -0.495
5129	2671.82	2457.18	0.3416	0.341
5125	5081.37	43.63	0.0061	0.006
5117	5420.15	-303.15	-0.0421	-0.042
5108	2334.72	2773.28	0.3853	0.385
5104	5151.34	-47.34	-0.0066	-0.006
5099	2357.46	2741.54	0.3809	0.380
5097 5089	3233.00 6502.67	1864.00 -1413.67	0.2589 -0.1964	0.258
5089	3663.61	1422.39	0.1976	0.197
5085	2360.03	2724.97	0.3788	0.378
5077	3076.09	2000.91	0.2780	0.277
5077	4069.09	1007.91	0.1400	0.140
5072	2548.57	2523.43	0.3505	0.350
5065	2178.85	2886.15	0.4010	0.400
5057	3164.14	1892.86	0.2630	0.262
5056 5052	2796.88 2989.82	2259.12 2062.18	0.3138 0.2865	0.313
5052		2002.10	0.2005	0.286
5026	2543.06	2482.94	0.3449	0.344
5022	2273.43		0.3818	0.381
	3725.84	1288.16	0.1790	0.178

2301.20

0.3197

0.3197

5007

# **Regression Analysis Predictions** num\_subscriberspredicted\_num\_subscribersresidual\_num\_subscribersstudent\_num\_subscribersrstudent\_num\_subscribers50042778.192225.810.3092

3004	2110.19	2223.01	0.3092	0.3092
5000	2321.56	2678.44	0.3721	0.3721
4991	2736.05	2254.95	0.3134	0.3134
4982	4504.87	477.13	0.0664	0.0664
4967	4376.89	590.11	0.0820	0.0820
			,	
4961	1734.79	3226.21	0.4485	0.4485
4957	6281.69	-1324.69	-0.1840	-0.1840
4931	3364.58	1566.42	0.2176	0.2176
4927	2059.06	2867.94	0.3984	0.3984
4919	2812.58	2106.42	0.2926	0.2926
4905	3031.85	1873.15	0.2602	0.2602
4892	2494.83	2397.17	0.3330	0.3330
4876	3869.58	1006.42	0.1398	0.1398
4872	7045.01	-2173.01	-0.3021	-0.3021
4867	3117.85	1749.15	0.2430	0.2430
4863	3713.72	1149.28	0.1597	0.1597
4855	2754.04	2100.96	0.2919	0.2918
4848	2509.86	2338.14	0.3248	0.3248
4848	3453.90	1394.10	0.1938	0.1938
4839	3158.87	1680.13	0.2334	0.2334
4830	2601.20	2228.80	0.3097	0.3096
4820	8853.61	-4033.61	-0.5605	-0.5604
4797	2707.54	2089.46	0.2903	0.2902
4783	2041.16	2741.84	0.3810	0.3810
4776	3109.07	1666.93	0.2316	0.2316
4770	2977.58	1792.42	0.2490	0.2490
4743	4678.45	64.55	0.0090	0.0090
4735	3037.85	1697.15	0.2358	0.2358
4733	2227.55	2505.45	0.3480	0.3480
4732	2205.27	2526.73	0.3510	0.3510
4720	8779.29	-4059.29	-0.5640	-0.5639
4714	2534.08	2179.92	0.3030	0.3030
4708	2255.32	2452.68	0.3409	0.3409
4702	2249.84	2452.16	0.3406	0.3406
4695	2069.42	2625.58	0.3647	0.3647
4689	3823.22	865.78	0.1203	0.1203
4687	2227.95	2459.05	0.3418	0.3418
4675	2202.40	2472.60	0.3435	0.3434
4661	3139.37	1521.63	0.2114	0.2114
4653	4950.00	-297.00	-0.0413	-0.0413
4645	3526.92	1118.08	0.1553	0.1553
4628	4141.88	486.12	0.0675	0.0675
4616	2166.45	2449.55	0.3403	0.3402
4607	3542.27	1064.73	0.1479	0.1479
4601	2582.93	2018.07	0.2803	0.2803
4587	1879.17	2707.83	0.3764	0.3764
4569	3077.92	1491.08	0.2072	0.2071
4563	2248.41	2314.59	0.3216	0.3215
4560	3457.51	1102.49	0.1532	0.1531
4557	2385.13	2171.87	0.3017	0.3017
4550	2739.56	1810.44	0.2515	0.2515
4537	4915.05	-378.05	-0.0525	-0.0525
4530	2034.42	2495.58	0.3467	0.3466
4529	1840.08	2688.92	0.3738	0.3738
4529	3623.53	905.47	0.1258	0.1258
4503	4016.06	486.94	0.0678	0.0677
4499	3309.75	1189.25	0.1652	0.1652
4497	4124.72	372.28	0.0517	0.0517
4480	2079.53	2400.47	0.3335	0.3335
4463	2474.76	1988.24	0.2762	0.2762
4452	4097.95	354.05	0.0492	0.0492
4449	2125.60	2323.40	0.3230	0.3230
4447	2741.32	1705.68	0.2369	0.2369
4442	2094.51	2347.49	0.3261	0.3261
4410	2778.19	1631.81	0.2267	0.2267
4409	2972.04	1436.96	0.1996	0 1996
4409 4407	2972.04 2301.44	1436.96 2105.56	0.1996 0.2925	0.1996 0.2925
4409 4407 4405	2972.04 2301.44 2851.62	1436.96 2105.56 1553.38	0.1996 0.2925 0.2158	0.1996 0.2925 0.2158

		ial_num_subscribers student		
-0.23	-0.2318	-1667.48	6042.48	4375
0.26	0.2620	1885.98	2467.02	4353
0.27	0.2712	1952.21	2380.79	4333
0.12	0.1226	882.76	3423.24	4306
0.05	0.0563	405.30	3891.70	4297
0.13	0.1370	985.75	3308.25	4294
0.13	0.1318	948.88	3341.12	4290
0.28	0.2897	2084.05	2199.95	4284
0.19	0.1926	1386.55	2882.45	4269
0.27	0.2756	1983.51	2275.49	4259
0.15	0.1533	1103.21	3148.79	4252
0.20	0.2010	1446.48	2801.52	4248
-0.11	-0.1174	-844.81	5079.81	4235
0.24	0.2456	1767.99	2440.01	4208
0.12	0.1267	910.45	3287.55	4198
0.12	0.1751	1260.46	2932.54	4193
0.16	0.1751	1194.48	2997.52	4192
-0.29	-0.2958	-2128.88	6315.88	4187
0.00	0.0012	8.84	4174.16	4183
0.01	0.0179	129.09	4053.91	4183
0.20	0.2077	1495.28	2662.72	4158
0.03	0.0388	279.26	3877.74	4157
-0.09	-0.0993	-715.10	4859.10	4144
0.01	0.0179	128.59	4009.41	4138
30.0	0.0833	598.09	3534.91	4133
0.29	0.2937	2114.02	2018.98	4133
-0.12	-0.1283	-923.48	5051.48	4128
0.24	0.2428	1747.67	2375.33	4123
0.21	0.2170	1561.90	2561.10	4123
0.20	0.2065	1486.14	2630.86	4117
0.18	0.1804	1298.82	2816.18	4115
0.17	0.1710	1230.98	2875.02	4106
0.28	0.2843	2046.30	2056.70	4103
0.11	0.1157	831.82	3258.18	4090
0.22	0.2240	1612.22	2473.78	4086
-0.20	-0.2090	-1504.67	5584.67	4080
-0.02	-0.0218	-156.61	4233.61	4077
0.22	0.2240	1612.58	2463.42	4076
0.30	0.3074	2211.16	1849.84	4061
-0.02	-0.0242	-174.29	4231.29	4057
0.29	0.2918	2098.66	1941.34	4040
0.24	0.2465	1774.58	2259.42	4034
0.31	0.3129	2250.65	1782.35	4033
0.12	0.1278	919.68	3110.32	4030
-0.34	-0.3473	-2499.81	6527.81	4028
0.25	0.2552	1837.08	2184.92	4022
0.22	0.2232	1606.36	2413.64	4020
0.21	0.2168	1560.36	2450.64	4011
0.22	0.2286	1645.55	2364.45	4010
0.11	0.1176	846.00	3159.00	4005
0.32	0.3297	2371.91	1629.09	4003
0.26	0.3297	1898.62	2080.38	3979
0.02	0.0225	162.14	3797.86	3960
0.18	0.1822	1311.86	2625.14	3937
0.18	0.1870	1345.65	2587.35	3933
0.20	0.2060	1482.90	2434.10	3917
0.13	0.1323	951.89	2951.11	3903
0.17	0.1771	1274.68	2628.32	3903
0.12	0.1290	928.52	2969.48	3898
0.12	0.1241	893.56	3000.44	3894
0.22	0.2287	1645.61	2241.39	3887
0.1	0.1100	791.92	3091.08	3883
0.13	0.1360	978.86	2898.14	3877
0.17	0.1723	1240.31	2629.69	3870
0.17	0.1731	1245.72	2624.28	3870
-0.20	-0.2054	-1478.92	5332.92	3854
-0.20	-0.2034	-377.72	4217.72	3840
0.31	0.3117	2241.85	1589.15	3831

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 0.1362 3812 2831.88 980.12 0.1362 3811 3491.94 319.06 0.0443 0.0443 3804 3345.02 458.98 0.0638 0.0638 3801 1402.98 0.1949 0.1949 2398.02 3784 2960.96 823.04 0.1143 0.1143 3782 2594.97 1187.03 0.1649 0.1649 3309.75 0.0646 3775 465.25 0.0646 3771 2369.99 1401.01 0.1946 0.1946 3770 3055.12 714.88 0.0993 0.0993 3766 520.72 0.0723 0.0723 3245.28 3759 2536.64 1222.36 0.1698 0.1698 3757 2093.01 1663.99 0.2312 0.2311 3757 2814.65 0.1309 0.1309 942.35 3730 2399.49 1330.51 0.1848 0.1848 3721 3089.90 631.10 0.0877 0.0877 3704 2902.84 801.16 0.1113 0.1113 3701 5578.67 -1877.67 -0.2609-0.2608 3699 3598.25 100.75 0.0140 0.0140 3697 3627.57 69.43 0.0096 0.0096 3694 2694.59 999.41 0.1388 0.1388 1227.57 0.1705 0.1705 3688 2460.43 3667 0.0890 0.0890 3030.48 636.52 3655 2960.96 694.04 0.0964 0.0964 3652 2613.03 1038.97 0.1443 0.1443 3632 1668.98 1963.02 0.2729 0.2729 3619 2543.69 1075.31 0.1494 0.1494 3618 5148.01 -1530.01 -0.2128 -0.2128 3607 2385.05 1221.95 0.1698 0.1697 3601 2356.63 1244.37 0.1729 0.1728 3599 1705.17 0.2370 0.2370 1893.83 3590 0.1449 2547.06 1042.94 0.1449 3571 1085.36 0.1508 0.1508 2485 64 3559 2066.69 1492.31 0.2073 0.2073 3555 2786.71 768.29 0.1067 0.1067 3541 3616.36 -75.36 -0.0105 -0.0105 3539 2489.71 1049.29 0.1458 0.1457 3525 3394.34 130.66 0.0182 0.0182 3523 2085.46 1437.54 0.1997 0.1997 3519 3038.43 480.57 0.0668 0.0668 3512 745.93 0.1036 0.1036 2766.07 3503 3142.31 360.69 0.0501 0.0501 3493 2770.57 722.43 0.1004 0.1004 3492 2671.21 820.79 0.1140 0.1140 3485 2385.91 1099.09 0.1527 0.1527 3481 2592.43 888 57 0.1235 0.1234 3481 2536.19 944.81 0.1313 0.1312 3465 3461.11 3.89 0.0005 0.0005 1095.92 3461 2365.08 0.1522 0.1522 3444 0.1208 0.1208 2574.63 869.37 3426 2544.86 881.14 0.1224 0.1224 3425 2306.98 1118.02 0.1553 0.1553 3420 5499.56 -2079.56 -0.2890 -0.2890 3415 -1143.46 -0.1591 -0.1591 4558.46 3411 2690.76 720.24 0.1001 0.1000 3403 2707.16 695.84 0.0967 0.0967 3399 2026.89 1372.11 0.1908 0.1907 3397 0.2261 1770.11 1626.89 0.2261 3392 1658.36 1733.64 0.2410 0.2410 3390 2718 37 671.63 0.0933 0.0933 3388 2189.26 1198.74 0.1666 0.1665 3381 4714.57 -1333.57-0.1853-0.1853 3380 2432.65 947.35 0.1316 0.1316 3377 2074.77 1302.23 0.1809 0.1809 3372 2388.87 983.13 0.1366 0.1366

241.79

1681.26

1280.55

146.23

0.0336

0.2337

0 1779

0.0203

0.0336

0.2337

0 1779

0.0203

3371

3360

3360

3357

3129.21

1678.74

2079 45

		_num_subscribers student_		
3357	2906.79	450.21	0.0625	0.062
3348	4202.34	-854.34	-0.1187	-0.118
3339	2319.02	1019.98	0.1417	0.141
3329	3723.30	-394.30	-0.0548	-0.054
3325	2551.44	773.56	0.1075	0.107
3324	3412.96	-88.96	-0.0124	-0.012
3323	2740.55	582.45	0.0809	0.080
3312	2859.32	452.68	0.0629	0.062
3299	3471.13	-172.13	-0.0239	-0.023
3295	6521.28	-3226.28	-0.4495	-0.449
3283	3136.10	146.90	0.0204	0.020
3271	4156.59	-885.59	-0.1230	-0.123
3258	2520.48	737.52	0.1025	0.102
3255	3945.84	-690.84	-0.0960	-0.096
3254	2806.45	447.55	0.0622	0.062
3252	4714.11	-1462.11	-0.2032	-0.203
3251	3390.33	-139.33	-0.0194	-0.019
3251	2719.74	531.26	0.0738	0.073
3249	2619.48	629.52	0.0875	0.087
3227	2526.62	700.38	0.0973	0.097
	3854.91		-0.0878	-0.087
3223 3209	2250.57	-631.91 958.43		0.133
	1568.77		0.1332	
3206		1637.23	0.2276	0.227
3193	1533.32	1659.68	0.2307	0.230
3192	2233.27	958.73	0.1332	0.133
3190	3961.52	-771.52	-0.1072	-0.107
3185	3187.57	-2.57	-0.0004	-0.0004
3179	3529.49	-350.49	-0.0488	-0.048
3177	2328.14	848.86	0.1179	0.117
3169	5027.37	-1858.37	-0.2583	-0.258
3167	3413.51	-246.51	-0.0342	-0.034
3160	2676.48	483.52	0.0672	0.067
3157	4674.60	-1517.60	-0.2108	-0.210
3150	2815.58	334.42	0.0465	0.046
3143	1591.51	1551.49	0.2157	0.215
3142	3123.96	18.04	0.0025	0.002
3141	2226.69	914.31	0.1270	0.127
3137	2342.39	794.61	0.1104	0.110
3137	2839.84	297.16	0.0413	0.041
3133	4734.48	-1601.48	-0.2225	-0.222
3131	2490.15	640.85	0.0891	0.089
3125	2665.26	459.74	0.0639	0.063
3122	2166.05	955.95	0.1328	0.132
3119	6174.18	-3055.18	-0.4259	-0.425
3118	2437.03	680.97	0.0946	0.094
3117	2341.19	775.81	0.1078	0.107
3108	2596.47	511.53	0.0711	0.071
3106	2479.50	626.50	0.0870	0.087
	2632.11	470.89	0.0674	0.065
3103				
3094	2374.66	719.34	0.0999	0.099
3086	2610.99	475.01	0.0660	0.066
3073	2149.47	923.53	0.1283	0.128
3056	2409.71	646.29	0.0899	0.089
3050	2050.67	999.33	0.1389	0.138
3042	2615.51	426.49	0.0593	0.059
3035	2463.35	571.65	0.0794	0.079
3033	2966.04	66.96	0.0093	0.009
3026	2739.24	286.76	0.0398	0.039
3015	1722.27	1292.73	0.1797	0.179
3014	2492.22	521.78	0.0725	0.072
3013	2230.96	782.04	0.1086	0.108
3012	4863.95	-1851.95	-0.2581	-0.258
3011	2513.07	497.93	0.0692	0.069
3000	5150.99	-2150.99	-0.2989	-0.298
2996	3144.72	-148.72	-0.0207	-0.020
2995	2702.80	292.20	0.0406	0.040
2988	1708.92	1279.08	0.1778	0.177
2000	2071.59	915.41	0.1778	0.177

2985	predicted_num_subscribers 2555.93	429.07	0.0596	0.059
2981	2312.24	668.76	0.0929	0.092
2971	3853.11	-882.11	-0.1225	-0.122
2965	2330.08	634.92	0.0882	0.088
2964	2345.34	618.66	0.0859	0.085
2955	2684.56	270.44	0.0376	0.037
2953	3055.06	-102.06	-0.0142	-0.014
2951	3080.29	-129.29	-0.0180	-0.018
2946	3226.76	-280.76	-0.0391	-0.039
2938	2618.61	319.39	0.0444	0.044
2924	2309.26	614.74	0.0854	0.085
2919	3331.07	-412.07	-0.0572	-0.057
2918	1555.61	1362.39	0.1894	0.189
2917	2957.24	-40.24	-0.0056	-0.005
2914	2311.77	602.23	0.0837	0.083
2912	4114.26	-1202.26	-0.1670	-0.167
2911	1699.80	1211.20	0.1684	0.168
2911	1881.86	1029.14	0.1430	0.143
2900	4934.02	-2034.02	-0.2826	-0.282
2895	2644.02	250.98	0.0349	0.034
2893	2141.69	751.31	0.1044	0.104
2888	2154.38	733.62	0.1019	0.101
2877	2477.77	399.23	0.0555	0.055
2875	1725.26	1149.74	0.1598	0.159
2873	1776.02	1096.98	0.1525	0.152
2865	2912.20	-47.20	-0.0066	-0.006
2863	1665.99 2634.40	1197.01	0.1664	0.166
2859		224.60	0.0312	0.031
2853 2837	2602.00 2470.98	251.00	0.0349 0.0508	0.034
2814	2058.20	366.02 755.80	0.1050	0.050 0.105
2814	2463.93	350.07	0.0486	0.103
2804	5479.78	-2675.78	-0.3733	-0.373
2801	1736.22	1064.78	0.1480	0.147
2797	2595.00	202.00	0.0281	0.028
2795	2331.99	463.01	0.0643	0.064
2792	9404.86	-6612.86	-0.9231	-0.923
2789	3616.83	-827.83	-0.1150	-0.115
2788	2497.37	290.63	0.0404	0.040
2786	1723.13	1062.87	0.1478	0.147
2784	4073.99	-1289.99	-0.1793	-0.179
2784	5158.38	-2374.38	-0.3299	-0.329
2783	1526.74	1256.26	0.1747	0.174
2780	2871.22	-91.22	-0.0127	-0.012
2769	2648.06	120.94	0.0168	0.016
2768	2913.39	-145.39	-0.0202	-0.020
2760	2494.90	265.10	0.0368	0.036
2760	2617.70	142.30	0.0198	0.019
2755	3149.50	-394.50	-0.0548	-0.054
2753	2352.78	400.22	0.0556	0.055
2749	2672.61	76.39	0.0106	0.010
2745	2361.91	383.09	0.0532	0.05
2743	6272.26	-3529.26	-0.4904	-0.490
2740	4415.34	-1675.34	-0.2328	-0.232
2736	2312.44	423.56	0.0588	0.05
2721	2809.94	-88.94	-0.0124	-0.01
2715	2014.18	700.82	0.0974	0.09
2706	3155.74	-449.74	-0.0625	-0.06
2698 2697	1881.98 2805.77	816.02 -108.77	0.1134 -0.0151	0.11 -0.01
2697	3995.33	-108.77	-0.0151	-0.18
2697			-0.1804 0.0640	-0.18 0.06
2692	2231.40 2319.69	460.60 372.31	0.0640	0.06
2688	2319.69	372.31	0.0517	0.05
2687	4471.48	-1784.48	-0.2484	-0.24
2686	2513.32	172.68	-0.2484 0.0240	0.02
2674	2900.23	-226.23	-0.0240	-0.03
2673	2301.44	371.56	0.0516	0.05

2000		_num_subscribers student_		
2669	3029.84	-360.84	-0.0501	-0.05
2666	2310.33	355.67	0.0494	0.04
2665	2483.89	181.11	0.0252	0.02
2660	4109.02	-1449.02	-0.2013	-0.20
2652	2120.24	531.76	0.0739	0.07
2650	2343.25	306.75	0.0426	0.04
2650	3175.78	-525.78	-0.0731	-0.0
2650	2285.48	364.52	0.0506	0.0
2649	2458.14	190.86	0.0265	0.0
2643	2774.47	-131.47	-0.0183	-0.0
2643	2592.50	50.50	0.0070	0.0
2641	1851.75	789.25	0.1097	0.1
2638	3128.05	-490.05	-0.0681	-0.0
2635	2130.59	504.41	0.0701	0.0
2635	2257.92	377.08	0.0524	0.0
2634	3098.88	-464.88	-0.0646	-0.0
2626	2981.01	-355.01	-0.0493	-0.0
2623	3246.51	-623.51	-0.0866	-0.0
2618	2654.20	-36.20	-0.0050	-0.0
2610	2637.45		-0.0038	-0.0
		-27.45		
2607	4132.50	-1525.50	-0.2119	-0.2
2606	3964.78	-1358.78	-0.1888	-0.1
2602	4462.66	-1860.66	-0.2585	-0.2
2599	1831.88	767.12	0.1066	0.1
2596	2405.25	190.75	0.0265	0.0
2591	2507.94	83.06	0.0115	0.0
2578	3720.61	-1142.61	-0.1587	-0.1
2577	5739.67	-3162.67	-0.4393	-0.4
2577	2551.42	25.58	0.0036	0.0
2573	2993.53	-420.53	-0.0584	-0.0
2571	2698.18	-127.18	-0.0177	-0.0
2570	2318.69	251.31	0.0349	0.0
2566	2658.24	-92.24	-0.0128	-0.0
2565	2394.44	170.56	0.0237	0.0
2558	2056.52	501.48	0.0697	0.0
2558	2125.51	432.49	0.0601	0.0
2555	2287.95	267.05	0.0371	0.0
2554	2498.80	55.20	0.0077	0.0
2547	1881.25	665.75	0.0926	0.0
2543	2530.69	12.31	0.0017	0.0
2532	4190.53	-1658.53	-0.2304	-0.2
2528	2408.61	119.39	0.0166	0.0
2526	2828.31	-302.31	-0.0420	-0.0
2520	3497.00	-977.00	-0.1357	-0.1
2516	2348.74	167.26	0.0232	0.0
2510	2430.89	79.11	0.0110	0.0
2507	4386.72	-1879.72	-0.2611	-0.2
2506	1760.53	745.47	0.1036	0.1
2498	2302.94	195.06	0.0271	0.0
2497	2978.25	-481.25	-0.0670	-0.0
2494	4252.39	-1758.39	-0.2443	-0.2
2493	4040.42	-1547.42	-0.2150	-0.2
2490	2854.88	-364.88	-0.0507	-0.0
2489	2429.02	59.98	0.0083	0.0
2489	1747.09	741.91	0.1031	0.1
2481	2851.62	-370.62	-0.0515	-0.0
2476	5090.26	-2614.26	-0.3633	-0.3
2474	2745.11	-271.11	-0.0377	-0.0
2472	3201.76	-729.76	-0.1014	-0.1
2472	2430.70	41.30	0.0057	0.0
2470	2416.27	53.73	0.0075	0.0
2464	2469.88	-5.88	-0.0008	-0.0
2459	3082.94	-623.94	-0.0867	-0.0
2451	2072.86	378.14	0.0525	0.0
2437	3253.85	-816.85	-0.1135 0.0091	-0.1 0.0
0.407		65 22 I	n nnu1	U C
2437 2430	2371.67 2064.78	65.33 365.22	0.0507	0.0

-0.0087

-0.0646

-0.0084

-0 2363

-0.0860

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 2346.01 2424 77.99 0.0108 0.0108 2421 1558.60 862.40 0.1199 0.1199 2420 2470.38 -50.38 -0.0070 -0.0070 2416 382 22 0.0531 2033.78 0.0531 2415 2088.57 326.43 0.0453 0.0453 2412 2723.73 -311.73 -0.0433 -0.0433 2409 2804.77 -395.77 -0.0550 -0.0550 2402 2481.00 -79.00 -0.0110 -0.0110 2401 2443.01 -42.01-0.0058-0.0058 -0.3623 2390 -2606.24 -0.3622 4996.24 2389 2355.96 33.04 0.0046 0.0046 2388 3190.24 -802.24 -0.1114-0.1114 2383 2366.58 0.0023 0.0023 16.42 2382 2437.47 -55.47 -0.0077 -0.0077 2379 442.14 0.0614 0.0614 1936.86 2371 2318.38 52.62 0.0073 0.0073 2362 1957.99 404.01 0.0561 0.0561 2361 2573.47 -212 47 -0 0295 -0.0295 2360 286.27 0.0398 0.0398 2073.73 2358 2157.70 200.30 0.0278 0.0278 1703.34 654.66 2358 0.0910 0.0910 2357 0.0199 0.0199 2213.84 143.16 2355 2597.80 -242.80-0.0338-0.03372354 1681.74 672.26 0.0934 0.0934 2354 2354.51 -0.51 -0.0001 -0.0001 2353 0.0394 0.0394 2069.25 283.75 2351 4177.00 -1826.00 -0.2537 -0.2536 2346 1865.75 480.25 0.0667 0.0667 2346 2221.23 124.77 0.0173 0.0173 2346 -133.96 -0.0186 -0.0186 2479.96 2342 -106.78 -0.0148 2448.78 -0.0148 2342 -55.81 -0.0078 -0.0078 2397 81 2338 3445.91 -1107.91 -0.1539 -0.1539 2335 2361.04 -26.04-0.0036 -0.0036 2325 2871.63 -546.63 -0.0760 -0.0759 2320 3197.73 -877.73 -0.1219-0.1219 2318 1942.18 375.82 0.0522 0.0522 2317 2599.46 -282.46 -0.0392 -0.0392 2314 2816.62 -502.62 -0.0698 -0.0698 2311 0.1099 0.1099 1520.16 790.84 2310 2602.43 -292.43 -0.0407 -0.0406 2306 2295.24 10.76 0.0015 0.0015 2305 1844.69 460.31 0.0640 0.0640 2299 2382.29 -83.29 -0.0116 -0.0116 2296 2385.27 -89 27 -0.0124 -0.0124 2295 2106.32 188.68 0.0262 0.0262 2293 2369.12 -76.12 -0.0106 -0.0106 2285 2625.33 -340.33 -0.0473-0.0473 2283 -382.26 -0.0531 -0.0531 2665.26 2281 2503.28 -222.28 -0.0309-0.03092281 2509.28 -228.28 -0.0317 -0.0317 2276 2738.13 -462.13 -0.0642 -0.0642 2273 -1496.81 -0.2080 -0.2080 3769.81 2273 5152.44 -2879.44 -0.4002 -0.4002 2268 2456.63 -188.63 -0.0262 -0.0262 2267 2221.20 45.80 0.0064 0.0064 2267 471.89 0.0656 0.0656 1795.11 2266 2400.75 -134.75-0.0187 -0.0187 2252 3947 02 -1695.02 -0.2357 -0.2357 2247 2819.18 -572.18 -0.0795 -0.0795 2244 4895.46 -2651.46 -0.3684-0.3683 2243 2659.60 -416.60 -0.0579 -0.0579 2240 3200.74 -960.74 -0.1335 -0.1334

-62.82

-465.25

-1700.95

-619.34

-60.24

-0.0087

-0.0646

-0.0084

-0.2363

-0.0860

2239

2238

2235

2234

2230

2301.82

2703.25

2295.24

3934.95

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 2228 2225.41 2.59 0.0004 0.0004 2227 2582.25 -355.25 -0.0494 -0.0493 2225 1754.59 470.41 0.0654 0.0654 2222 2324.40 -102.40 -0.0142 -0.0142 2222 2282.14 -60.14 -0.0084 -0.0084 2215 3720.19 -1505.19 -0.2091 -0.2091 2214 2533.20 -319.20-0.0443-0.0443 2212 2939.10 -727.10 -0.1011 -0.1010 2204 2590.21 -386.21 -0.0537-0.0537 2200 2394.17 -194.17 -0.0270 -0.0270 2199 2322.23 -123.23 -0.0171 -0.0171 2197 2329 00 -13200-0.0183-0.0183 2197 1860.67 336.33 0.0467 0.0467 2195 2060.56 134.44 0.0187 0.0187 2189 2319.02 -130.02 -0.0181 -0.0181 2187 3985.44 -1798.44 -0.2499 -0.2499 2185 3880.07 -1695.07 -0.2355-0.2354 2185 2329 64 -144.64 -0.0201 -0.0201 2184 2167.95 16.05 0.0022 0.0022 2178 2414.55 -236.55 -0.0329-0.0329 -287.26 -0.0399 2177 2464.26 -0.03992177 -0.0484 -0.0484 2525.43 -348.43 2174 2699.48 -525.48-0.0730-0.0730 2166 2686.06 -520.06 -0.0723 -0.0722 2164 4441.98 -2277.98 -0.3165 -0.3165 2164 2112.08 51.92 0.0072 0.0072 2164 2031.88 132.12 0.0184 0.0184 2160 2484.00 -324.00 -0.0450 -0.0450 -0.0343 2154 2401.20 -247.20 -0.0343 2153 0.0156 0.0156 2041.00 112.00 2152 2314.60 -162.60-0.0226-0.0226 2147 528.13 0.0734 0.0734 1618 87 2146 2597.51 -451.51 -0.0627 -0.0627 2146 2965.87 -819.87 -0.1140 -0.1140 2145 3035.70 -890.70 -0.1238 -0.1237 2144 2676.48 -532.48 -0.0740 -0.0740 2142 5722.86 -3580.86-0.4976-0.49752134 3186.23 -1052.23 -0.1462 -0.1462 2134 2499.91 -365.91 -0.0508 -0.0508 2122 2616.21 -494.21 -0.0687 -0.0687 2119 3132.06 -1013.06 -0.1407 -0.1407 2115 1993.40 121.60 0.0169 0.0169 2104 2729.57 -625.57 -0.0869 -0.0869 2103 2299.72 -196.72 -0.0273-0.02732102 2171.93 -69.93-0.0097 -0.0097 2101 2645.52 -544.52 -0.0756 -0.0756 2097 4885.87 -2788.87 -0.3874 -0.3874 -0.0569 2097 -0.0569 2506.88 -409.882096 0.0155 0.0155 1984.52 111.48 2092 2043.05 48.95 0.0068 0.0068 2091 2778.45 -687.45 -0.0955 -0.0955 2091 1574.31 516.69 0.0718 0.0718 2087 2750.53 -663.53 -0.0922-0.0922 2086 2300.20 -214.20 -0.0298 -0.0298 2084 2498.80 -414.80 -0.0576 -0.0576 2083 3705.91 -1622.91 -0.2255-0.2254 2081 0.0357 1823.98 257.02 0.0357 2080 2930.60 -850.60 -0.1182 -0.11822079 4099 45 -2020.45 -0.2807 -0.2807 2076 2616.96 -540.96 -0.0752 -0.0752 2076 2362.54 -286.54 -0.0398-0.0398 2075 2812.09 -737.09 -0.1024 -0.1024 2074 2384.83 -310.83 -0.0432-0.04322073 2124.01 -51.01 -0.0071-0.00712071 2415.67 -344.67 -0.0479 -0.0479

523.92

265 02

-447.78

0.0728

0.0368

-0.0622

0.0728

0.0368

-0.0622

2067

2063

2060

1543.08

1797 98

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 2058 2498.20 -440.20 -0.0612 -0.0611 2053 3832.71 -1779.71 -0.2472 -0.2472 2052 2263.86 -211.86 -0.0294 -0.0294 2051 -692.88 -0.0963 -0.0963 2743.88 2046 2332.09 -286.09 -0.0397 -0.0397 2046 2489.54 -443.54 -0.0616 -0.0616 2045 2225.01 -180.01-0.0250 -0.0250 2045 2329.64 -284.64 -0.0395 -0.0395 2044 3043.60 -999.60 -0.1389-0.1388 2044 2404.57 -360.57 -0.0501 -0.0501 2039 1886.05 152.95 0.0213 0.0212 2035 2073.91 -3891-0.0054-0.0054 2031 2701.13 -670.13 -0.0931 -0.0931 2027 1528.42 498.58 0.0693 0.0693 2026 2003.02 22.98 0.0032 0.0032 2025 2415.19 -390.19 -0.0542 -0.0542 2025 2407.56 -382.56 -0.0531 -0.0531 2023 2110.40 -87.40 -0 0121 -0 0121 2015 2079.77 -64.77 -0.0090 -0.0090 2015 2082.36 -67.36 -0.0094 -0.0094 -287.76 -0.0400 -0.0400 2012 2299.76 2007 -214.06 -0.0297 -0.0297 2221.06 2004 2286.91 -282.91 -0.0393-0.03932002 2533.84 -531.84 -0.0739 -0.0739 2002 2373.24 -371.24 -0.0516 -0.0516 0.0313 2000 1774.73 225.27 0.0313 2000 2381.23 -381.23 -0.0530 -0.0530 1995 3544.59 -1549.59 -0.2154 -0.2154 -0.0816 1993 2580.20 -587.20 -0.0816 1988 -0.0848 -0.0848 2598.31 -610.31 1987 -235.09 -0.0327 2222.09 -0.0327 1987 2023.62 -36.62 -0.0051 -0.0051 1981 2494.16 -513.16 -0.0713 -0.0713 1976 3796.35 -1820.35-0.2529-0.2528 1975 2905.46 -930.46 -0.1293 -0.1292 1971 2240.72 -269.72-0.0375-0.03751967 4402.85 -2435.85 -0.3385-0.33841966 4179.68 -2213.68 -0.3076 -0.3075 1964 2602.00 -638.00 -0.0886 -0.0886 1951 2946.38 -995.38 -0.1383 -0.1383 1951 2457.44 -506.44 -0.0704 -0.0703 -0.0626 1950 2400.98 -450.98 -0.0626 1949 3617.37 -1668.37 -0.2319 -0.2319 1948 2886.93 -938.93 -0.1304-0.1304 -460.05 1945 2405.05 -0.0639-0.0639 1942 2638.95 -696.95 -0.0968 -0.0968 1942 1637.95 304.05 0.0423 0.0423 1941 4763.97 -2822.97 -0.3994-0.3993 1936 2854.70 -0.1276 -0.1276 -918.70 1935 1562.19 372.81 0.0518 0.0518 1933 2440.01 -507.01 -0.0704 -0.0704 1926 2982.71 -1056.71 -0.1470 -0.1470 1925 -0.0463 -0.0463 2258.36 -333.361924 5325.57 -3401.57 -0.4758 -0.4758 1924 3156.89 -1232.89 -0.1713 -0.1713 1923 -430.42 -0.0598 -0.0598 2353.42 -1804.34 -0.2509 -0.2509 1922 3726.34 1916 2388.04 -472.04-0.0656-0.06561909 1537 36 371.64 0.0517 0.0517 1908 2348.74 -440.74 -0.0612 -0.0612 1905 3833.35 -1928.35 -0.2679-0.2678 1905 2024.39 -119.39 -0.0166 -0.0166 1904 2429.69 -525.69 -0.0730 -0.0730 1902 3239.70 -1337.70-0.1859-0.1859 1898 2503.74 -605.74 -0.0842-0.0841 1894 2555.93 -661.93 -0.0920 -0.0919

-1264.96

-404.06

-0.1757

-0.0561

-0 1757

-0.0561

1892

1888

3156.96

# **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers | 1888 -789.98 -0.1098 -0.1097 2677.98 1882 2129.97 -247.97 1193.01 -0.0345 -0.1658 -0.0345 -0.1657

1876	3069.01	-1193.01	-0.1658	0.1657
				-0.1657
1874	3210.11	-1336.11	-0.1868	-0.1868
1873	4272.27	-2399.27	-0.3334	-0.3333
1873	3071.78	-1198.78	-0.1665	-0.1665
1871	3581.47	-1710.47	-0.2377	-0.2377
1870	3184.87	-1314.87	-0.1828	-0.1828
1867	2387.34	-520.34	-0.0723	-0.0723
1858	2500.88	-642.88	-0.0893	-0.0893
1853	2166.90	-313.90	-0.0436	-0.0436
 1852	2209.31	-357.31	-0.0496	-0.0496
1850	2538.73	-688.73	-0.0957	-0.0957
1849	1657.32	191.68	0.0266	0.0266
1849	2374.69	-525.69	-0.0730	-0.0730
1843	2592.85	-749.85	-0.1042	-0.1042
1842	2430.89	-588.89	-0.0818	-0.0818
1839	2209.71	-370.71	-0.0515	-0.0515
1838	3089.72	-1251.72	-0.1739	-0.1739
1832	2332.18	-500.18	-0.0695	-0.0695
1827	2970.12	-1143.12	-0.1590	-0.1590
1825	2106.63	-281.63	-0.0391	-0.0391
1825	2141.21	-316.21	-0.0439	-0.0439
1822	2015.32	-193.32	-0.0269	-0.0269
1819	2680.52	-861.52	-0.1197	-0.1197
1818	2192.97	-374.97	-0.0521	-0.0521
1815	3707.92	-1892.92	-0.2630	-0.2629
1814	2494.16	-680.16	-0.0945	-0.0945
1812	2930.60	-1118.60	-0.1554	-0.1554
1811	2794.22	-983.22	-0.1366	-0.1366
1806	2336.85	-530.85	-0.0738	-0.0738
1802	2361.04	-559.04	-0.0777	-0.0777
1798	1965.88	-167.88	-0.0233	-0.0233
1798	2510.09	-712.09	-0.0989	-0.0989
1797	2590.33	-793.33	-0.1102	-0.1102
1793	4054.00	-2261.00	-0.3141	-0.3141
1793	1568.77	224.23	0.0312	0.0312
1789	2419.59	-630.59	-0.0876	-0.0876
1788	2208.03	-420.03	-0.0584	-0.0584
1783	2252.42	-469.42	-0.0652	-0.0652
1782	2348.11	-566.11	-0.0786	-0.0786
1780	2723.85	-943.85	-0.1311	-0.1311
1780	2360.44	-580.44	-0.0806	-0.0806
1780	2577.77	-797.77	-0.1108	-0.1108
1779	2430.92	-651.92	-0.0906	-0.0905
1777	2649.20	-872.20	-0.1212	-0.1212
1777	2347.88	-570.88	-0.0793	-0.0793
1776	2075.41	-299.41	-0.0416	-0.0416
1772	2366.81	-594.81	-0.0826	-0.0826
1772	2417.77	-645.77	-0.0897	-0.0897
1769	2583.62	-814.62	-0.1132	-0.1132
1768	2396.22	-628.22	-0.0873	-0.0873
1766	2325.37	-559.37	-0.0778	-0.0778
1764	2395.26	-631.26	-0.0877	-0.0877
1764	2630.13	-866.13	-0.1203	-0.1203
1763	2421.77	-658.77	-0.0915	-0.0915
1758	2582.07	-824.07	-0.1145	-0.1145
1754	2990.42	-1236.42	-0.1718	-0.1718
1754	2985.19	-1231.19	-0.1710	-0.1710
1753	2393.95	-640.95	-0.0890	-0.0890
1750	2559.40	-809.40	-0.1124	-0.1124
1749	2545.31	-796.31	-0.1106	-0.1106
1747	2378.25	-631.25	-0.0877	-0.0877
1741	2675.98	-934.98	-0.1299	-0.1299
1741	2697.47	-956.47	-0.1329	-0.1329
1740	2308.40	-568.40	-0.0790	-0.0790
11.10				
1738	2654.97	-916.97	-0.1274	-0.1274
		-916.97 -3953.49	-0.1274 -0.5494	-0.1274 -0.5493

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 1736 3024.85 -1288.85 -0.1791 1736 2590.33 -854.33 -0.1187 -0.1187 1735 2460.50 -725.50 -0.1008 -0.1008 1735 -887.79 -0.1233 -0.1233 2622.79 1734 2334.72 -0.0835 -0.0834 -600 72 1732 2494.62 -762.62 -0.1059 -0.1059 1732 2211.85 -479.85 -0.0667 -0.0666 1732 2199.46 -467.46 -0.0649 -0.0649 1731 2970.98 -1239.98-0.1723-0.17221730 -297.84 -0.0414 -0.0414 2027.84 1730 2084.53 -354.53 -0.0493 -0.0492 -0.1180 1730 2579.46 -849.46 -0.1180 1724 -1300.63 -0.1807 -0.1807 3024.63 1723 2459.76 -736.76 -0.1024 -0.1023 1723 4134.03 -2411.03 -0.3350 -0.3349 1723 1723.31 -0.31 -0.0000 -0.0000 1720 2248.80 -528.80 -0.0735 -0.0734 1720 1959 97 -239 97 -0.0333 -0.0333 1712 4945.99 -3233.99 -0.4493 -0.4492 1710 2017.22 -307.22 -0.0427 -0.0427 -638.47 2343.47 -0.0887 1705 -0.0887 1703 3807.70 -2104.70 -0.2926 -0.2925 1703 2246.88 -543.88 -0.0756 -0.07551703 4977.77 -3274.77 -0.4549 -0.4549 1703 1872.99 -169.99 -0.0236-0.0236 1702 -0.1340 2666.85 -964.85 -0.13401701 2937.78 -1236.78 -0.1718 -0.1718 1699 2179.17 -480.17 -0.0667 -0.0667 1699 1799.56 -100.56 -0.0140 -0.0140 1697 -0.0513 -0.0513 2066.43 -369.43 -0.2649 1696 3603.10 -1907.10 -0.26501696 -0.1116 -0.1116 2499 34 -803 34 1688 2352.15 -664.15 -0.0923 -0.0922 1685 2592.43 -907.43-0.1261 -0.1261 1683 4180.78 -2497.78 -0.3470 -0.3470 1680 1729.89 -49.89-0.0069-0.0069 -1194.13 1680 2874.13 -0.1659-0.16591679 2433.43 -754.43 -0.1048 -0.1048 1678 2092.41 -414.41 -0.0576 -0.0576 1675 -0.1017 -0.1017 2407.11 -732.111674 2164.29 -490.29 -0.0681 -0.0681 1673 1723.13 -50.13 -0.0070 -0.0070 1673 5204.88 -3531.88 -0.4910 -0.4909 1659 2566.89 -907.89 -0.1261 -0.1261 1658 3888.68 -2230.68 -0.3101-0.3100 1658 2749.40 -1091.40 -0.1516 -0.1516 1657 2200.07 -543.07 -0.0754 -0.0754 2509.23 -854.23 -0.11871655 -0.1187-0.1017 -0.1017 1655 2387.19 -732.191653 2549.79 -896.79 -0.1246-0.12461649 1731.39 -82.39 -0.0115 -0.0115 1645 1966.80 -321.80 -0.0447 -0.0447 1645 -0.0006 -0.0006 1649.24 -4.241643 2336.67 -693.67 -0.0964 -0.0963 1640 2248.38 -608.38 -0.0845 -0.0845 1638 2220.75 -582.75 -0.0810 -0.0809 1634 -0.1088 -0.1088 2417.17 -783.17 -0.2444 1634 3393.48 -1759.48 -0.24441631 2509 37 -878 37 -0.1220 -0.1220 1628 3370.62 -1742.62 -0.2423 -0.2422 1627 2442.47 -815.47 -0.1133-0.1133 1626 2688.22 -1062.22 -0.1476 -0.1475 1626 2854.77 -1228.77-0.1707-0.17071625 2658.11 -1033.11 -0.1436-0.14351624 2445.18 -821.18 -0.1141 -0.1141 1618 2595.42 -977.42 -0.1358 -0.1358

-844 31

-800.69

-0 1173

-0.1112

-0 1173

-0.1112

1618

1613

2462 31

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 1611 3390.24 -1779.24 -0.2472 1611 2381.91 -770.91 -0.1071 -0.1071 1609 3177.07 -1568.07 -0.2178 -0.2178 1606 -0.1059 -0.1059 2368.24 -762.241606 -712.97 -0.0990 -0.0990 2318 97 1605 2404.39 -799.39 -0.1111 -0.1110 1605 2068.19 -463.19 -0.0643-0.0643 1602 2328.14 -726.14 -0.1009 -0.1009 1599 2332.03 -733.03-0.1018-0.1018 1594 0.0139 0.0139 1493.84 100.16 1593 2029.93 -436.93 -0.0607 -0.0607 1591 -0.2071 3081.90 -1490.90-0.20711589 2629.18 -1040.18 -0.1445 -0.14451589 2463.80 -874.80 -0.1215 -0.1215 1588 2221.54 -633.54 -0.0880 -0.0880 1586 2745.33 -1159.33 -0.1613 -0.1613 1586 2311.51 -725.51 -0.1008 -0.1008 1582 2330.11 -748.11 -0 1039 -0.1039 1580 -522.77 -0.0726 -0.0726 2102.77 1580 1563.69 16.31 0.0023 0.0023 -0.1242 1574 2467.84 -893.84 -0.1242-0.1797 -0.1797 1573 2866.43 -1293.43 1566 2111.12 -545.12 -0.0757-0.07571566 2505.45 -939.45 -0.1305 -0.1305 1564 2987.73 -1423.73 -0.1978-0.1978 1562 2204.41 -642.41 -0.0892-0.0892 1562 2219.59 -657.59 -0.0914 -0.0913 1560 2627.28 -1067.28 -0.1483 -0.1482 1557 2785.37 -1228.37-0.1707 -0.1707 1557 -0.1123 -0.1122 2365.08 -808.08 -0.1420 1554 2576.13 -1022.13-0.14201553 -970.11 -0.1348 -0.1347 2523 11 1552 2293.18 -741.18 -0.1030 -0.1029 1552 1620.15 -68.15 -0.0095-0.0095 1551 2729.67 -1178.67 -0.1638 -0.1637 1551 2532.02 -981.02 -0.1363 -0.1363 1550 2397.17 -847.17 -0.1177-0.11771550 2319.69 -769.69 -0.1069 -0.1069 1548 2862.88 -1314.88 -0.1828 -0.1827 1548 -0.0959 -0.0959 2238.17 -690.171548 2456.40 -908.40 -0.1262 -0.1262 1547 2576.21 -1029.21 -0.1430 -0.1430 1544 2465.89 -921.89 -0.1281 -0.1281 1542 2316.48 -774.48 -0.1076 -0.1076 1541 2230.09 -689.09 -0.0957-0.09571540 2354.73 -814.73 -0.1132 -0.1132 1540 3240.60 -1700.60 -0.2362-0.2362 1538 -0.1959-0.1959 2948.18 -1410.18-0.0056 -0.0056 1537 1577.49 -40.49 1535 3883.45 -2348.45 -0.3307-0.33071534 2349.41 -815.41 -0.1133 -0.1133 1534 2106.81 -572.81 -0.0796 -0.0796 1532 2182.79 -650.79 -0.0904 -0.0904 1532 2356.05 -824.05 -0.1145 -0.1145 1531 2277.72 -746.72 -0.1037 -0.1037 1530 2609.48 -1079.48 -0.1500 -0.1499 1526 -0.1516 -0.1516 2617.63 -1091.63 1526 1962.89 -436.89 -0.0607-0.06071525 2610 08 -1085.08 -0.1507 -0 1507 -715.63 1524 2239.63 -0.0994 -0.0994 1522 3275.65 -1753.65-0.2436-0.2436 1520 2533.65 -1013.65 -0.1408 -0.1408

-1197.60

-1032.44

-968.21

-1371.96

-784 82

-1039.97

-0.1664

-0.1434

-0.1345

-0.1907

-0.1090

-0.1445

-0.1664

-0.1434

-0.1345

-0.1907

-0.1090

-0.1445

1520

1519

1519

1518

1517

1515

2717.60

2551.44

2487.21

2889.96

2301.82

-859 50

-969.16

-0.1194

-0.1346

-0 1194

-0.1346

1405

1404

2264 50

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 1403 2349.38 -946.38 -0.1315 -0.1315 1401 2439.68 -1038.68 -0.1443-0.1443 1399 3332.71 -1933.71 -0.2687 -0.2687 1398 -0.0584 -0.0584 1818.37 -420.371393 -0.1569 2522 10 -1129 10 -0 1568 1393 2487.58 -1094.58 -0.1521 -0.1520 1388 2210.48 -822.48-0.1143 -0.1142 1386 2318.64 -932.64 -0.1296 -0.1295 1385 2838.48 -1453.48-0.2019-0.2019 -0.2637 1385 -1898.57 -0.2637 3283.57 1380 1726.71 -346.71 -0.0482 -0.0482 1374 -0.1474 2434.93 -1060.93-0.14741373 1993.26 -0.0862 -0.0862 -620.261371 3212.75 -1841.75 -0.2562 -0.2561 1369 2404.57 -1035.57 -0.1439 -0.1438 1367 2078.03 -711.03 -0.0988 -0.0988 1367 2172.69 -805.69 -0.1119-0.1119 1367 1896 82 -529.82-0.0736 -0.0736 1362 2482.05 -1120.05 -0.1556 -0.1556 1361 2350.88 -989.88 -0.1375 -0.1375 3106.41 -0.2427 -0.2426 1360 -1746.41 1359 -0.0740 -0.0740 1891.81 -532.81 1356 2233.05 -877.05 -0.1218 -0.1218 1355 2565.96 -1210.96 -0.1682 -0.1682 1355 2407.79 -1052.79-0.1463-0.1462 -0.1698 1353 2573.18 -1220.18 -0.16981352 2509.88 -1157.88 -0.1609 -0.1608 1350 2067.29 -717.29 -0.0997 -0.0997 1350 2407.88 -1057.88 -0.1470 -0.1469 1348 -0.1280 -0.1279 2269.13 -921.13 1346 -0.3799 4080.48 -2734.48-0.37981343 2250.52 -907.52 -0.1261 -0.1260 1343 2440.01 -1097.01 -0.1524 -0.1524 1340 2565.94 -1225.94-0.1706 -0.1706 1339 2310.56 -971.56 -0.1350 -0.1349 1338 2227.63 -889.63 -0.1236-0.12361338 3006.86 -1668.86-0.2318-0.23181337 2322.23 -985.23 -0.1369 -0.1368 1337 2387.37 -1050.37 -0.1459-0.1459 1337 -0.1310 -0.1309 2279.76 -942.76 1334 2875.94 -1541.94 -0.2142 -0.2142 -0.1642 1332 2513.90 -1181.90 -0.1642 1329 2520.29 -1191.29 -0.1655 -0.1655 1329 2492.08 -1163.08 -0.1616 -0.1616 1327 2319.24 -992.24 -0.1378-0.1378 1323 5699.25 -4376.25 -0.6229 -0.6228 1322 3349.30 -2027.30 -0.2816 -0.2816 1322 2184.29 -0.1198 -0.1198 -862.29-0.2061 -0.2061 1319 2802.63 -1483.63 1318 3014.97 -1696.97-0.2358-0.23571318 2427.86 -1109.86 -0.1542 -0.1542 1318 2447.65 -1129.65 -0.1569 -0.1569 1316 2534.97 -1218.97 -0.1693 -0.1693 1315 2505.45 -1190.45 -0.1654 -0.1653 1313 3232.44 -1919.44 -0.2667 -0.2667 1312 2400.53 -1088.53 -0.1512 -0.1512 -0.1510 1311 2397.80 -1086.80 -0.1510 1311 2260.01 -949.01 -0.1318 -0.1318 1310 2036 74 -726.74 -0 1010 -0.1009 1309 2664.63 -1355.63 -0.1883 -0.1883 1309 2831.33 -1522.33-0.2115-0.2114 1309 1768.90 -459.90 -0.0639 -0.0639 1305 2519.85 -1214.85 -0.1688-0.1687 1305 2379.26 -1074.26-0.1492-0.14921305 2629.24 -1324.24 -0.1840 -0.1840 1303 2230.36 -927.36 -0.1288 -0.1288 1302 -0.0904 1952 72 -650 72 -0.0904

-1780.13

-0.2473

-0.2473

1301

	predicted_num_subscribers			
1299	2632.84	-1333.84	-0.1854	-0.1850
1299	2374.21	-1075.21	-0.1494	-0.1494
1297	2406.07	-1109.07	-0.1541	-0.154
1296	1749.91	-453.91	-0.0631	-0.063
1294	2347.88	-1053.88	-0.1464	-0.1464
1294	2476.38	-1182.38	-0.1643	-0.1642
1292	2323.06	-1031.06	-0.1432	-0.1432
1284	1770.23	-486.23	-0.0676	-0.0676
1284	3431.70	-2147.70	-0.2989	-0.2989
1284	2074.32	-790.32	-0.1098	-0.1098
1284	3084.78	-1800.78	-0.2502	-0.2502
1284	3474.00	-2190.00	-0.3042	-0.3042
1282	2907.93	-1625.93	-0.2259	-0.2258
1282	1636.71	-354.71	-0.0493	-0.0493
1280	2402.57	-1122.57	-0.1560	-0.1559
1279	2266.59	-987.59	-0.1372	-0.1372
1278	3700.56	-2422.56	-0.3366	-0.3365
1278	2437.07	-1159.07	-0.1610	-0.1610
1276	3802.31	-2526.31	-0.3515	-0.3514
1276	2381.24	-1105.24	-0.1535	-0.153
1276	1780.86	-504.86	-0.0702	-0.0702
1276	1947.97	-671.97	-0.0934	-0.0934
1275	2256.20	-981.20	-0.0354	-0.1363
1275	2005.41	-961.20 -730.41	-0.1303	-0.1015
1274	2350.24	-1076.24	-0.1495	-0.1495
1274	2571.27	-1070.24	-0.1493	-0.1805
1272	3256.59	-1299.27	-0.1803	-0.2758
1271		-347.87	-0.2756	-0.2750
	1618.87	,		
1270	1762.03	-492.03	-0.0684	-0.0684
1270	2469.55	-1199.55	-0.1666	-0.1666
1269	2384.45	-1115.45	-0.1549	-0.1549
1268	2249.61	-981.61	-0.1364	-0.1363
1266	2799.05	-1533.05	-0.2130	-0.2129
1266	1590.01	-324.01	-0.0450	-0.0450
1263	2201.68	-938.68	-0.1304	-0.1304
1262	2174.34	-912.34	-0.1267	-0.1267
1260	2767.64	-1507.64	-0.2094	-0.2094
1255	2396.95	-1141.95	-0.1586	-0.1586
1254	2495.08	-1241.08	-0.1724	-0.1724
1252	2180.91	-928.91	-0.1290	-0.1290
1249	2194.65	-945.65	-0.1314	-0.1313
1249	2587.79	-1338.79	-0.1860	
1249	2588.02	-1339.02	-0.1860	-0.1860
1248	3280.50	-2032.50	-0.2823	-0.2823
1241	2343.18	-1102.18	-0.1531	-0.153°
1240	1613.79	-373.79	-0.0520	-0.0520
1239	2298.08	-1059.08	-0.1471	-0.147 <sup>2</sup>
1237	2266.18	-1029.18	-0.1430	-0.1430
1237	2544.94	-1307.94	-0.1817	-0.181
1236	2101.69	-865.69	-0.1203	-0.1202
1235	2427.40	-1192.40	-0.1657	-0.1656
1235	2503.86	-1268.86	-0.1763	
1235	2236.68	-1001.68	-0.1391	-0.139
1235	2485.26	-1250.26	-0.1737	-0.1737
1229	2817.90	-1588.90	-0.2208	-0.220
1229	1944.19	-715.19	-0.2200	-0.0993
1229	2092.67	-865.67	-0.0994	
1224	2400.53	-1176.53	-0.1203	-0.163
1224	2289.96	-1065.96	-0.1634	-0.148
1224	2106.36	-882.36	-0.1226	-0.122
1224	1940.44	-716.44	-0.0996	-0.099
1223	2000.88	-777.88	-0.1081	-0.108
1222	2195.82	-973.82	-0.1353	-0.135
1220	1540.70	-320.70	-0.0446	-0.044
1220	2263.64	-1043.64	-0.1450	-0.1450
1218	2306.79	-1088.79	-0.1512	-0.1512
1216	2443.68	-1227.68	-0.1705	-0.170
1215	1883.61	-668.61	-0.0929	-0.0929

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 1214 1921.59 -707.59 -0.0984 -0.0984 1213 3315.36 -2102.36 -0.2920 -0.2920 1213 2176.94 -963.94 -0.1339 -0.1339 1212 -0.1304 -0.1304 2150.79 -938.79 1209 -0.1690 -0.1690 2425 63 -1216 63 1209 2351.92 -1142.92 -0.1588 -0.1588 1207 2342.80 -1135.80 -0.1578 -0.1578 1204 2207.81 -1003.81 -0.1394 -0.1394 1203 2286.14 -1083.14-0.1505-0.1504 1202 2579.79 -1377.79 -0.1914 -0.1914 1202 2517.82 -1315.82 -0.1828-0.1828 1201 2371.67 -1170.67 -0.1626-0.16261200 -0.1763 -0.1763 2469.14 -1269.141199 2347.76 -1148.76 -0.1596 -0.1596 1199 2278.67 -0.1501 -0.1501 -1079.671197 2460.13 -1263.13 -0.1756 -0.1756 1197 1706.16 -509.16 -0.0708 -0.0708 1195 2192.11 -997.11 -0.1385 -0.1385 1194 -1037.59 -0.1441 -0.1441 2231.59 1193 2808.12 -1615.12 -0.2244-0.22442450.64 -1257.64 -0.1747 -0.1747 1193 1192 -0.2078 -0.2077 2687.06 -1495.06 1189 2371.67 -1182.67-0.1643-0.1643 1189 2464.26 -1275.26 -0.1772 -0.1771 1187 2029.60 -842.60 -0.1171 -0.1170 -0.1602 1186 2339.55 -1153.55 -0.16031186 2195.71 -1009.71 -0.1403 -0.1402 1186 1824.95 -638.95 -0.0888 -0.0888 1185 1567.73 -382.73 -0.0532 -0.0532 1184 -0.1527 -0.1526 2282.93 -1098.93 -0.1701 -0.1701 1184 2408.69 -1224.691182 -1783.07 -0.2477 -0.2477 2965 07 1181 2213.31 -1032.31 -0.1434 -0.1434 1175 3139.05 -1964.05 -0.2729-0.2729 1174 2411.82 -1237.82 -0.1720 -0.1719 1173 1646.70 -473.70 -0.0659-0.0658 1169 3223.01 -2054.01 -0.2854-0.28531169 2298.68 -1129.68 -0.1569 -0.1569 1168 2325.68 -1157.68 -0.1608 -0.1608 1168 -0.1732 -0.1732 2414.94 -1246 94 1168 2514.67 -1346.67 -0.1871 -0.1871 -0.2047 1167 2641.11 -1474.11 -0.2048 1165 2121.47 -956.47 -0.1329 -0.1329 1160 2890.77 -1730.77 -0.2404-0.2404 1157 2851.92 -1694.92-0.2354 -0.2354 1156 2114.67 -958.67 -0.1332 -0.1332 1156 2370.67 -1214.67 -0.1687 -0.1687 -0.1907 1154 2526.48 -0.1907 -1372.48-0.2403 -0.2403 1154 2884.16 -1730.16 1152 2315.42 -1163.42-0.1616-0.1616 1152 2386.55 -1234.55 -0.1715 -0.1715 1150 2579.79 -1429.79-0.1986 -0.1986 1150 -0.0509 -0.0509 1516.12 -366.121150 2022.76 -872.76 -0.1212 -0.1212 1148 2114.25 -966.25 -0.1342 -0.1342 1147 2314.60 -1167.60 -0.1622 -0.1622 -0.1731 -0.1731 1146 2392.30 -1246.30 1145 2539.28 -1394.28 -0.1937-0.19371143 2476 32 -1333 32 -0.1852 -0 1852 1142 3089.10 -1947.10 -0.2705 -0.2704 1141 3089.72 -1948.72-0.2707-0.2707 1137 2118.44 -981.44 -0.1363 -0.1363 1136 1873.11 -737.11 -0.1024-0.1024 2289.74 1135 -1154.74 -0.1604-0.16041134 2008.10 -874.10 -0.1214 -0.1214

-1046.95

-1360 66

-1833.96

-0.1454

-0.1890

-0.2554

-0.1454

-0.1890

-0.2554

1132

1132

1132

2178.95

2492 66

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 1130 2688.43 -1558.43 -0.2166 -0.2166 1129 3607.21 -2478.21 -0.3445 -0.3445 1128 2816.62 -1688.62 -0.2346 -0.2346 1126 -0.1688 -0.1688 2341.30 -1215.30 1125 2289.78 -1164.78 -0.1618 -0 1618 1125 1539.90 -414.90 -0.0577 -0.0577 1123 2123.06 -1000.06 -0.1389-0.1389 1122 2202.38 -1080.38 -0.1501 -0.1501 1122 2361.04 -1239.04-0.1721-0.17211121 -1634.92 -0.2273 2755.92 -0.22721121 2446.15 -1325.15 -0.1841 -0.1841 1120 1902.43 -782 43 -0.1087-0 1087 1119 2714.05 -1595.05 -0.2218 -0.2218 1119 2305.66 -1186.66 -0.1648 -0.1648 1117 1567.73 -0.0627 -0.0627 -450.731116 2769.60 -1653.60 -0.2297 -0.2297 1116 2346.84 -1230.84 -0.1710 -0.1710 1115 2328 14 -1213.14-0 1685 -0.1685 1114 2259.42 -1145.42 -0.1591 -0.1591 1113 1489.80 -376.80 -0.0524 -0.0524 1539.90 -0.0593 -426.90 -0.05941113 1110 -0.3213 -0.3213 3422.68 -2312.68 1109 1587.47 -478.47-0.0665 -0.0665 1105 2329.72 -1224.72 -0.1701 -0.1701 1102 1586.61 -484.61 -0.0674-0.0674 -1086.64 1102 2188.64 -0.1510-0.15091101 1576.85 -475.85 -0.0662 -0.0661 1098 2425.81 -1327.81 -0.1845 -0.1844 1098 2174.91 -1076.91 -0.1496 -0.1496 1097 -0.3750 -0.3749 3796.35 -2699.35 -0.1749 1096 2355.13 -1259.13 -0.17491096 2017.54 -921.54 -0.1280 -0.1280 1096 1648.38 -552.38 -0.0768 -0.0768 1095 2181.11 -1086.11 -0.1509-0.1509 1094 2663.32 -1569.32 -0.2180 -0.2180 1094 1537.36 -443.36 -0.0616 -0.0616 1092 2591.38 -1499.38-0.2083-0.20831091 1889.27 -798.27 -0.1109 -0.1109 1090 2235.90 -1145.90 -0.1592-0.1592 1089 -0.2329 2765.03 -1676.03-0.23281087 3465.47 -2378.47 -0.3304 -0.3304 1087 -1211.64 -0.1683 -0.1683 2298.64 1087 1913.87 -826.87 -0.1149 -0.1149 1087 1834.88 -747.88 -0.1040 -0.1039 1086 2387.37 -1301.37-0.1808 -0.1808 1086 2487.58 -1401.58 -0.1947 -0.1947 1086 2597.48 -1511.48 -0.2100 -0.2100 1085 -0.1641 -0.1641 2266.24 -1181.24-0.2349 -0.2348 1085 2775.64 -1690.64 1085 1734.21 -649.21-0.0902-0.0902 1081 2588.71 -1507.71 -0.2095 -0.2095 1081 2194.65 -1113.65 -0.1547 -0.1547 1080 -0.0973 -0.0973 1779.81 -699.81 1080 2408.61 -1328.61 -0.1846 -0.1845 1080 2383.79 -1303.79 -0.1811 -0.1811 1079 -2076.35 -0.2884 -0.2884 3155.35 1079 -0.0899 1725.67 -646.67 -0.0899 1077 2781.74 -1704.74 -0.2368-0.23681076 2399 49 -1323 49 -0.1839 -0.1838 1076 1549.02 -473.02 -0.0658 -0.0658 1076 2534.97 -1458.97-0.2027-0.2027 1074 2314.98 -1240.98 -0.1724 -0.1724 1071 2402.11 -1331.11 -0.1849-0.1849 1069 1649.70 -580.70 -0.0807-0.08071067 2730.63 -1663.63 -0.2311 -0.2311 1064 2055.66 -991.66 -0.1378 -0.1377 1063 -1841.13 2904 13 -0 2558 -0 2557 1063 2728.19 -1665.19 -0.2313 -0.2313

	predicted_num_subscribers			
1062	2493.12	-1431.12	-0.1988	-0.198
1062	2250.74	-1188.74	-0.1651	-0.165
1061	2259.37	-1198.37	-0.1665	-0.166
1060	2220.75	-1160.75	-0.1612	-0.161
1059	3016.15	-1957.15	-0.2719	-0.271
1057	2361.24	-1304.24	-0.1812	-0.181
1057	1566.23	-509.23	-0.0708	-0.070
1056	2221.77	-1165.77	-0.1619	-0.161
1056	2213.35	-1157.35	-0.1608	-0.160
1055	2362.17	-1307.17	-0.1816	-0.181
1054	2267.45	-1213.45	-0.1686	-0.168
1053	1572.75			-0.100
1052	2608.45	-519.75	-0.0723	
		-1556.45	-0.2162	-0.216
1052	2045.64	-993.64	-0.1380	-0.138
1050	3336.29	-2286.29	-0.3177	-0.317
1049	2437.52	-1388.52	-0.1929	-0.192
1048	1539.90	-491.90	-0.0684	-0.068
1047	1595.55	-548.55	-0.0763	-0.076
1047	2278.12	-1231.12	-0.1710	-0.171
1046	2010.64	-964.64	-0.1340	-0.134
1046	2387.37	-1341.37	-0.1863	-0.186
1046	2354.28	-1308.28	-0.1817	-0.181
1045	1807.30	-762.30	-0.1059	-0.105
1044	2362.54	-1318.54	-0.1832	-0.183
1043	2120.83	-1077.83	-0.1497	-0.149
1041	1546.48	-505.48	-0.0703	-0.070
1040	1592.15	-552.15	-0.0768	-0.076
1040	2035.28	-995.28	-0.1383	-0.138
1039	2346.01	-1307.01	-0.1816	-0.181
1037	2329.64	-1292.64	-0.1796	-0.179
1036	2487.58	-1451.58	-0.2017	-0.201
1033	2558.57	-1525.57	-0.2119	-0.211
1033	1550.52	-1525.57 -517.52	-0.2119	-0.211
1033	1480.68	-447.68	-0.0622	-0.062
1032	1967.97	-935.97	-0.1300	-0.130
1032	2739.24	-1707.24	-0.2372	-0.237
1031	2414.37	-1383.37	-0.1922	-0.192
1030	2399.49	-1369.49	-0.1903	-0.190
1030	2058.66	-1028.66	-0.1429	-0.142
1030	1557.10	-527.10	-0.0733	-0.073
1029	2414.59	-1385.59	-0.1925	-0.192
1029	2629.22	-1600.22	-0.2223	-0.222
1029	2350.15	-1321.15	-0.1835	-0.183
1028	1979.23	-951.23	-0.1321	-0.132
1027	2483.54	-1456.54	-0.2023	-0.202
1026	2344.42	-1318.42	-0.1832	-0.183
1026	1958.70	-932.70	-0.1296	-0.129
1024	2436.43	-1412.43	-0.1962	-0.196
1023	2857.31	-1834.31	-0.2548	-0.254
1023	2908.46	-1885.46	-0.2619	-0.261
1023	1554.56	-531.56	-0.0739	-0.073
1020	2383.48	-1363.48	-0.1894	-0.189
1018	2007.13	-989.13	-0.1374	-0.137
1018	2423.94	-1405.94	-0.1953	-0.195
1018	2262.86	-1244.86	-0.1729	-0.172
1018	2181.49	-1163.49	-0.1729	-0.172
1018	2168.33	-1150.33	-0.1598	-0.159
1017	2647.91	-1630.91	-0.1598	-0.138
	1981.77			
1016		-965.77	-0.1342	-0.134
1013	1960.35	-947.35	-0.1316	-0.131
1013	2762.84	-1749.84	-0.2433	-0.243
1011	2300.14	-1289.14	-0.1791	-0.179
1011	2360.44	-1349.44	-0.1875	-0.187
1010	3323.44	-2313.44	-0.3214	-0.321
1008	2402.11	-1394.11	-0.1937	-0.193
1007	3291.55	-2284.55	-0.3176	-0.317
1006	2313.30	-1307.30	-0.1816	-0.181
1006	2018.08	-1012.08	-0.1406	-0.140

# Regression Analysis Predictions num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers |

num_subscribers	predicted_num_subscribers	residual_num_subscribers	student_num_subscribers	rstudent_num_subscribers
1005	1769.07	-764.07	-0.1062	-0.1062
1004	2644.48	-1640.48	-0.2279	-0.2279
1002	2169.12	-1167.12	-0.1621	-0.1621
1002	3865.54	-2863.54	-0.3981	-0.3980
1002	2655.56	-1653.56	-0.2297	-0.2297
1000		-1625.16	-0.2258	-0.2258
1000		-932.53	-0.1296	-0.1295
997		-1516.90	-0.2107	-0.2107
993		-582.35	-0.2107	-0.0810
991		-1567.03	-0.2177	-0.2177
989		-1208.19	-0.1678	-0.1678
988	1	-1403.32	-0.1950	-0.1949
987		-1318.86	-0.1832	-0.1832
984	,	-1414.45	-0.1965	-0.1965
978		-1327.50	-0.1844	-0.1844
976	2939.12	-1963.12	-0.2727	-0.2727
976	2483.54	-1507.54	-0.2094	-0.2094
975	2945.58	-1970.58	-0.2737	-0.2737
975		-993.42	-0.1380	-0.1380
973	1	-1499.81	-0.2083	-0.2083
973		-1206.17	-0.1676	-0.1675
973		-994.38	-0.1381	-0.1381
972	,	-1226.30	-0.1704	-0.1703
970		-1489.31	-0.2069	-0.2069
970	,	-1399.12	-0.1944	-0.1943
969		-1205.05	-0.1674	-0.1674
968	,	-1691.57	-0.2350	-0.2350
967	2484.08	-1517.08	-0.2108	-0.2107
966	3394.79	-2428.79	-0.3374	-0.3374
965	2384.38	-1419.38	-0.1972	-0.1972
964	2314.60	-1350.60	-0.1876	-0.1876
960	2231.53	-1271.53	-0.1768	-0.1767
959		-1720.93	-0.2391	-0.2390
958		-1409.62	-0.1958	-0.1958
956	-	-1363.10	-0.1894	-0.1893
954		-3041.85	-0.4229	-0.4228
953		-1429.29	-0.1986	-0.1985
952	1	-1673.04	-0.1300	-0.2325
952	,	-1738.58	-0.2415	-0.2415
951		-1087.99	-0.1512	-0.1511
949	,		-0.2843	-0.2843
948		-2637.77	-0.3664	-0.3664
948	,	-1629.61	-0.2264	-0.2264
947		-2142.52	-0.2976	-0.2976
946		-1429.45	-0.1986	-0.1986
945	2371.89	-1426.89	-0.1982	-0.1982
944		-1223.46	-0.1700	-0.1699
944	2244.40	-1300.40	-0.1808	-0.1807
942		-2261.29	-0.3141	-0.3141
941	1996.43	-1055.43	-0.1466	-0.1466
940		-1089.91	-0.1514	-0.1514
939		-574.58	-0.0799	-0.0799
937	-	-1364.82	-0.1896	-0.1896
937		-1247.35	-0.1733	-0.1733
936		-1387.25	-0.1733	-0.1927
936	,		-0.1940	-0.1939
934	,	-2615.16	-0.3634	-0.3634
927			-0.2345	-0.2345
927	,	-1492.83	-0.2074	-0.2074
926		-2003.58	-0.2783	-0.2783
924			-0.2042	-0.2041
922	,		-0.2856	-0.2856
920			-0.1782	-0.1782
920	2433.66	-1513.66	-0.2103	-0.2102
919		-1061.24	-0.1475	-0.1475
918			-0.0917	-0.0917
916			-0.2110	-0.2110
916			-0.2206	-0.2206
510	2551.20	.333.20	5.2200	3.2200

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 915 2308.40 -1393.40 -0.1936 -0.1935 913 2736.04 -1823.04-0.2533 -0.2532 912 2507.78 -1595.78 -0.2217 -0.2217 912 -0.3288 -0.3287 3278.43 -2366.43 912 1827.31 -0.1272 -0.1272 -915 31 912 1908.82 -996.82 -0.1385 -0.1385 911 2305.86 -1394.86 -0.1938-0.1938 909 2168.77 -1259.77 -0.1750 -0.1750 903 2210.99 -1307.99-0.1817-0.1817 2432.20 -0.2127 -0.2127 901 -1531.20 900 2901.31 -2001.31 -0.2783 -0.2783 898 3041.04 -2143.04 -0.2977-0 2977 898 2406.66 -1508.66 -0.2096 -0.2096 897 2712.09 -1815.09 -0.2523 -0.2523 897 1629.49 -0.1018 -0.1018 -732.49896 2173.20 -1277.20 -0.1775 -0.1774 894 2517.67 -1623.67 -0.2258-0.2257891 3060 66 -2169.66 -0.3014 -0.3014 888 -1917.56 -0.2664 -0.2664 2805.56 886 2438.14 -1552.14 -0.2156 -0.2156 -0.1346 1854.00 -969.00 -0.1346885 -0.3581 -0.3580 3462.41 -2577.41 885 2582.30 -1697.30 -0.2358-0.2358880 2383.79 -1503.79 -0.2089 -0.2089 878 2210.10 -1332.10 -0.1851 -0.1850 877 2230.16 -1353.16-0.1880-0.1880 877 2922.00 -2045.00 -0.2841 -0.2840 876 2400.19 -1524.19 -0.2117 -0.2117 876 2408.04 -1532.04 -0.2128 -0.2128 -1707.17 -0.2372 -0.2372 874 2581.17 -0.2243 871 2485.96 -1614.96 -0.22432262.36 -0.1937 -0.1937 869 -139336869 3407.82 -2538.82 -0.3528 -0.3528 -0.2091 869 2373.14 -1504.14-0.2091 868 2322.46 -1454.46 -0.2020 -0.2020 867 3062.17 -2195.17 -0.3050 -0.3049867 3657.30 -2790.30-0.3876-0.3876861 2314.65 -1453.65 -0.2019 -0.2019 860 3002.41 -2142.41 -0.2978 -0.2977 859 -0.2432 2609.44 -1750.44-0.2431 858 2526.02 -1668.02 -0.2317 -0.2317 -0.2204 853 2439.91 -1586.91 -0.2204853 2439.43 -1586.43 -0.2204 -0.2204 851 3337.64 -2486.64 -0.3454-0.3454 -0.1994 850 2285.70 -1435.70-0.1994850 2043.10 -1193.10 -0.1657 -0.1657 844 2389.54 -1545.54 -0.2147 -0.2147 -0.2516 843 -0.2515 2653.82 -1810.82842 -0.3314 3223.65 -2381.65 -0.3315 -0.2889 841 2921.32 -2080.32 -0.2890841 2216.91 -1375.91 -0.1911 -0.1911 838 2372.53 -1534.53 -0.2132-0.2131 2336.22 -1499.22 -0.2083-0.2082 837 837 1509.54 -672.54 -0.0935 -0.0935 835 2328.69 -1493.69 -0.2075 -0.2075 834 2066.02 -0.1711 -0.1711 -1232.02-0.1892 -0.1891 833 2194.65 -1361.65 832 2516.44 -1684.44 -0.2340-0.2340831 2270 63 -1439 63 -0.2000 -0.2000 829 2955.14 -0.2954 -0.2953 -2126.14 828 2282.07 -1454.07-0.2020 -0.2020 827 2312.32 -1485.32 -0.2063 -0.2063 827 2007.01 -1180.01 -0.1639-0.1639

-715.44

-1075.93

-1514.56

-711 97

-1171.35

-0.0995

-0.1495

-0.2104

-0.0990

-0.1627

-0.0995

-0.1495

-0.2104

-0.0990

-0.1627

827

825

823

821

817

1542.44

1900.93

2337.56

1532 97

	predicted_num_subscribers			
817	3395.26	-2578.26	-0.3585	-0.35
817	2355.01	-1538.01	-0.2137	-0.21
817	2781.19	-1964.19	-0.2729	-0.27
814	2197.19	-1383.19	-0.1921	-0.19
813	2481.59	-1668.59	-0.2318	-0.23
811	2981.22	-2170.22	-0.3015	-0.30
811 810	1500.42 2160.96	-689.42 -1350.96	-0.0958 -0.1877	-0.09 -0.18
809	2188.07	-1379.07	-0.1916	-0.19
809	1504.46	-695.46	-0.1910	-0.19
807	1999.51	-1192.51	-0.1657	-0.16
806	2400.82	-1594.82	-0.2215	-0.22
803	2180.34	-1377.34	-0.1913	-0.19
802	2210.68	-1408.68	-0.1957	-0.19
802	2375.71	-1573.71	-0.2186	-0.21
801	2276.23	-1475.23	-0.2049	-0.20
800	2675.44	-1875.44	-0.2606	-0.26
799	2676.22	-1877.22	-0.2608	-0.26
798	3223.22	-2425.22	-0.3369	-0.33
797	1682.14	-885.14	-0.1231	-0.12
797	2716.61	-1919.61	-0.2668	-0.26
797	2443.01	-1646.01	-0.2287	-0.22
796	2295.24	-1499.24	-0.2083	-0.20
796	2570.00	-1774.00	-0.2464	-0.24
793	1690.22	-897.22	-0.1247	-0.12
791	2517.94 2328.14	-1726.94	-0.2399	-0.23
791 789	2597.20	-1537.14 -1808.20	-0.2135 -0.2513	-0.21 -0.25
788	2310.56	-1522.56	-0.2313	-0.21
788	2282.62	-1494.62	-0.2113	-0.20
785	2384.19	-1599.19	-0.2222	-0.22
785	2409.07	-1624.07	-0.2256	-0.22
783	2393.92	-1610.92	-0.2238	-0.22
783	1872.88	-1089.88	-0.1514	-0.15
781	2286.60	-1505.60		-0.20
780	2298.65	-1518.65	-0.2110	-0.21
779	2460.65	-1681.65	-0.2336	-0.23
778	1984.95	-1206.95	-0.1677	-0.16
776	2898.59	-2122.59	-0.2949	-0.29
775	4082.79	-3307.79		-0.45
775	2308.40	-1533.40	-0.2130	-0.2
775	2464.69	-1689.69	-0.2347	-0.23
774	2469.14	-1695.14	-0.2355	-0.23
774	2364.04	-1590.04	-0.2209	
770	2875.31	-2105.31	-0.2925	-0.29
770 770	2217.03 2328.14	-1447.03 -1558.14	-0.2010 -0.2165	-0.20 -0.21
769	2112.08	-1343.08	-0.2103	-0.2
769	2238.17	-1469.17	-0.1000	-0.10
768	2753.69	-1985.69	-0.2759	-0.27
767	2770.90	-2003.90	-0.2784	-0.27
764	2252.79	-1488.79	-0.2068	-0.20
755	2136.51	-1381.51	-0.1919	-0.19
755	2196.41	-1441.41	-0.2002	-0.20
751	2305.04	-1554.04	-0.2159	-0.2
750	2412.65	-1662.65	-0.2310	-0.23
747	2079.18	-1332.18	-0.1851	-0.18
746	3030.89	-2284.89	-0.3174	-0.3
746	2511.51	-1765.51	-0.2453	-0.24
743	2367.18	-1624.18	-0.2257	-0.22
741	2336.22	-1595.22	-0.2216	-0.22
740	2346.93	-1606.93	-0.2232	-0.22
739	2004.92	-1265.92	-0.1759	-0.17
739	2150.34	-1411.34	-0.1961	-0.19
739	2613.74	-1874.74	-0.2604	-0.26
738	2607.41	-1869.41	-0.2598	-0.25
737 736	2396.34 2452.59	-1659.34 -1716.59	-0.2305 -0.2385	-0.23 -0.23

	edicted_num_subscribers re			
736	2232.20	-1496.20	-0.2079	-0.20
735	1939.55	-1204.55	-0.1674	-0.16
734	1967.97	-1233.97	-0.1714	-0.17
733	2730.73	-1997.73	-0.2775	-0.27
731	2288.65	-1557.65	-0.2164	-0.2
727	2513.30	-1786.30	-0.2481	-0.24
727	2416.69	-1689.69	-0.2347	-0.23
725	2269.46	-1544.46	-0.2146	-0.2
723	3228.54	-2505.54	-0.3481	-0.34
722	2641.48	-1919.48	-0.2667	-0.26
721	2321.64	-1600.64	-0.2224	-0.22
721	2423.27	-1702.27	-0.2365	-0.23
720	3935.56	-3215.56	-0.4468	-0.4
718	2452.73	-1734.73	-0.2410	-0.2
718	2342.80	-1624.80	-0.2257	-0.2
716	2451.76	-1735.76	-0.2411	-0.2
716	2400.19	-1684.19	-0.2340	-0.2
715	2371.67	-1656.67	-0.2301	-0.2
715	1922.35	-1207.35	-0.1677	-0.1
714	2362.20	-1648.20	-0.2290	-0.2
713	2612.87	-1899.87	-0.2639	-0.2
711	2161.84	-1450.84	-0.2017	-0.2
710	2873.42	-2163.42	-0.3005	-0.3
709	2388.87	-1679.87	-0.2334	-0.2
709	2304.62	-1595.62	-0.2217	-0.2
707				
	2394.55	-1687.55	-0.2344	-0.2
707	3107.77	-2400.77	-0.3335	-0.3
706	2450.27	-1744.27	-0.2423	-0.2
702	2482.50	-1780.50	-0.2473	-0.2
701	2181.49	-1480.49	-0.2057	-0.2
701	2371.75	-1670.75	-0.2321	-0.2
701				
	2654.64	-1953.64	-0.2714	-0.2
694	2291.53	-1597.53	-0.2219	-0.2
694	2488.71	-1794.71	-0.2493	-0.2
690	3318.68	-2628.68	-0.3652	-0.3
690	2387.37	-1697.37	-0.2358	-0.2
689	3149.52	-2460.52	-0.3418	-0.3
686	2469.34	-1783.34	-0.2477	-0.2
685	2381.46	-1696.46	-0.2357	-0.2
683	2340.75	-1657.75	-0.2303	-0.2
679	2308.40	-1629.40	-0.2264	-0.2
677	2560.16	-1883.16	-0.2616	-0.2
677	1889.79	-1212.79	-0.1686	-0.1
676	2680.69	-2004.69	-0.2787	-0.2
670	2521.39	-1851.39	-0.2572	-0.2
668	2847.54	-2179.54	-0.3029	-0.3
668	1534.82	-866.82	-0.1205	-0.1
668	1529.28	-861.28	-0.1197	-0.1
668	2326.39	-1658.39	-0.2304	-0.2
666	2752.43	-2086.43	-0.2898	-0.2
663	2473.20	-1810.20	-0.2515	-0.2
662				
	2396.62	-1734.62	-0.2410	-0.2
662	2308.40	-1646.40	-0.2287	-0.2
661	2296.10	-1635.10	-0.2271	-0.2
661	2301.82	-1640.82	-0.2279	-0.2
659	2782.68	-2123.68	-0.2950	-0.2
659	2250.30	-1591.30	-0.2210	-0.2
	1463.47	-805.47	-0.2210	-0.2
658				
656	2404.57	-1748.57	-0.2429	-0.2
655	2723.28	-2068.28	-0.2874	-0.2
655	2159.05	-1504.05	-0.2089	-0.2
654	3340.51	-2686.51	-0.3739	-0.3
653	1581.93	-928.93	-0.1291	-0.3
653	2597.36	-1944.36	-0.2701	-0.2
652	2597.22	-1945.22	-0.2702	-0.2
651	2417.17	-1766.17	-0.2453	-0.2
651	2296.93	-1645.93	-0.2287	-0.2
	3174.67	-2524.67	-0.3508	-0.3

# **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers | 2031.91 2392.71 649 -1382.91 -0.1921 -0.1921 646 -1746.71 -0.2426 -0.2426

646 2314.98	646	2392.71	-1746.71	-0.2426	-0.2426
644   2568.09   -1925.00   -0.2217   -0.2218   -0.2668   -0.26667   -0.2668   -0.26667   -0.2668   -0.26667   -0.2668   -0.266					
638					
637					
636   2664.76   -2028.76   -2028.76   -0.2819   -0.2818   635   2153.39   -1518.39   -0.2109   -0.2108   633   1810.18   -1177.18   -0.1636   -0.1636   633   3005.63   -2.372.83   -0.3296   -0.3296   632   2566.52   -1964.52   -0.2715   -0.2715   6311   2821.00   -2.190.60   -0.3043   -0.2515   -0.2514   -0.2515   -0.2514   -0.2515   -0.2514   -0.2515   -0.2514   -0.2515   -0.2514   -0.2516				,	
635   2153.39   -1518.39   -0.2109   -0.2108   633   1810.18   -11177.18   -0.1636   -0.2036   -0.3296   -0.3296   633   3005.83   -2372.83   -0.3296   -0.3296   633   2566.62   -1964.52   -0.2715   -0.2715   -0.2715   -0.2715   -0.2715   -0.2715   -0.2715   -0.2715   -0.2715   -0.2715   -0.2715   -0.2715   -0.2715   -0.2715   -0.2715   -0.2514   -0.3031   -0.3031   -0.3031   -0.3031   -0.3031   -0.3031   -0.3031   -0.3031   -0.3031   -0.3031   -0.2515   -0.2514   -0.2516   -0.2514   -0.2516					
633 1810.18 -1177.18 -0.1636 -0.1636 633 30058 3 -2.372.83 -0.3296 632 2586.52 -1954.52 -0.2715 -0.2715 631 2821.60 -2.190.60 -0.3043 -0.3043 631 1807.18 -1176.18 -0.1635 -0.1635 630 244.001 -1810.01 -0.2515 -0.2514 627 2606.29 -2.005.59 -0.2828 -0.2828 627 2606.29 -2.005.59 -0.2828 -0.2828 627 3133.41 -2.560.41 -0.3462 -0.3481 627 2299.72 -1672.72 -0.2324 -0.2336 627 2299.72 -1672.72 -0.2324 -0.2336 623 2092.61 -1.469.61 -0.2042 -0.2044 623 2151.64 -1.528.64 -0.2124 -0.2124 623 2151.64 -1.528.64 -0.2124 -0.2124 623 2151.64 -1.528.64 -0.2124 -0.2126 621 2013.03 -1.392.03 -0.1935 618 2238.17 -1.620.17 -0.2251 -0.2256 617 2293.78 -1.976.78 -0.2746 40.2274 661 2312.44 -1.666.44 -0.2357 -0.2356 613 3542.44 -2.929.44 -0.4072 -0.4072 613 2274.43 -1.661.43 -0.2309 -0.2306 613 2274.43 -1.661.43 -0.2309 -0.2306 613 2274.43 -1.661.43 -0.2309 -0.2306 613 2274.44 -0.4072 -0.4072 613 2274.43 -0.601.43 -0.2009 -0.2006 613 2494.89 -0.665 -0.2626 612 2555.33 -1.913.33 -0.2700 -0.2626 612 2555.33 -1.913.33 -0.2700 -0.2626 617 2250.34 -0.601.43 -0.2309 -0.2306 613 2494.89 -0.665 -0.2626 612 2555.33 -1.913.33 -0.2700 -0.2626 612 2555.33 -1.913.33 -0.2700 -0.2626 612 2555.33 -1.913.33 -0.2700 -0.2626 612 2555.33 -1.913.33 -0.2700 -0.2626 600 1772.51 -1.103.51 -0.1534 606 2642.64 -2.034.64 -0.2246 606 2642.64 -2.034.64 -0.2246 606 2642.64 -2.034.64 -0.2266 -0.2626 607 2448.47 -1.681.47 -0.2614 -0.2615 606 2295.24 -1.690.24 -0.2046 606 2295.24 -1.690.24 -0.2046 606 2295.24 -1.690.24 -0.2046 606 2295.24 -1.690.24 -0.2046 606 2295.24 -1.690.24 -0.2046 606 2295.24 -1.690.24 -0.2046 606 2295.24 -0.2046 60					
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633   3005.83   -2372.83   -0.3296   -0.3296   632   2586.62   -1954.52   -0.2715   631   2821.60   -2190.60   -0.3043   -0.3043   -0.3043   631   1807.18   -1176.18   -0.1635   -0.1635   630   2440.01   -1810.01   -0.2515   -0.2515   627   2662.59   -0.2035.59   -0.2828   -0.2828   627   2334   -0.2505.59   -0.2828   -0.2324   -0.3482   -0.3481   627   2299.72   -1672.72   -0.2324   -0.2336   -0.2336   623   -0.2336   -0.2336   -0.2336   623   -0.244   -0.2336   -0.2336   -0.2336   623   -0.244   -0.245   -0.246   -0.2	633	1810.18	-1177.18	-0.1636	-0.1636
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627   2208.40   -1681.40   0.2236   0.2236   623   2092.61   -1469.61   -0.2042   -0.2041   623   2151.64   -1528.64   -0.2124   -0.2124   -0.2125   623   2151.64   -1528.64   -0.2124   -0.2125   623   2151.64   -1528.64   -0.2124   -0.2125   623   2151.64   -1528.64   -0.2124   -0.2125   623   -0.2255	627	2299.72	-1672.72	-0.2324	-0.2323
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608	611			-0.2602	
607	609	1712.51	-1103.51	-0.1534	-0.1534
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605	607				
605         2377.02         -1772.02         -0.2462         -0.2488         -0.2348           604         2573.40         -1690.44         -0.2736         -0.2736           604         2414.15         -1810.15         -0.2515         -0.2514           602         2813.33         -2211.33         -0.3074         -0.3073           601         3190.74         -2589.74         -0.3598         -0.3597           601         2195.79         -1594.79         -0.2215         -0.2215           600         2063.55         -1463.55         -0.2033         -0.2033           598         2414.55         -1816.55         -0.2524         -0.2523           596         1924.65         -1328.65         -0.1847         -0.1847           595         2060.00         -1411.00         -0.1960         -0.1960           594         2283.80         -1689.80         -0.2347         -0.2347           593         2284.91         -1691.91         -0.2350         -0.2350           589         2314.98         -1725.98         -0.2398         -0.239           589         2422.39         -1833.39         -0.2547         -0.2547           586         2191					
605         2295.24         -1690.24         -0.2348         -0.2348           604         2573.40         -1969.40         -0.2736         -0.2735           604         2414.15         -1810.15         -0.2515         -0.2514           602         2813.33         -2211.33         -0.3074         -0.3579           601         3190.74         -2589.74         -0.3588         -0.3597           601         2195.79         -1594.79         -0.2215         -0.2521           600         2663.55         -1463.55         -0.2033         -0.2033           598         2414.55         -1816.55         -0.2524         -0.2523           596         1924.65         -1328.65         -0.1847         -0.1847           595         206.00         -1411.00         -0.1960         -0.1960           594         2283.80         -1689.80         -0.2347         -0.2347           593         2284.91         -1691.91         -0.2350         -0.2350           592         3010.10         -2418.10         -0.3359         -0.3359           589         2314.98         -1725.98         -0.2398         -0.2347         -0.234           586         219.1					
604         2573.40         -1969.40         -0.2736         -0.2736           604         2414.15         -1810.15         -0.2515         -0.2514           602         2813.33         -2211.33         -0.3074         -0.3073           601         3190.74         -2589.74         -0.3598         -0.3597           601         2195.79         -1594.79         -0.2215         -0.2215           600         2663.55         -1463.55         -0.2033         -0.2033           598         2414.55         -1816.55         -0.2524         -0.2523           596         1924.65         -1328.65         -0.1847         -0.1847           595         2006.00         -1411.00         -0.1960         -0.1960           594         2283.80         -1689.80         -0.2347         -0.2347           593         2284.91         -1691.91         -0.2350         -0.2350           592         3010.10         -2418.10         -0.3359         -0.2389         -0.2398           589         2314.98         -1725.98         -0.2398         -0.2398         -0.2398           589         234.99         -180.33.39         -0.2547         -0.2547 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
604         2414.15         -1810.15         -0.2515         -0.2514           602         2813.33         -2211.33         -0.3074         -0.3073           601         3190.74         -2589.74         -0.3598         -0.3598           601         2195.79         -1594.79         -0.2215         -0.2215           600         2063.55         -1463.55         -0.2033         -0.2033           598         2414.55         -1816.55         -0.2524         -0.2524           596         1924.65         -1328.65         -0.1847         -0.1847           595         2006.00         -1411.00         -0.1960         -0.1960           594         2283.80         -1689.80         -0.2347         -0.2347           593         2284.91         -1691.91         -0.2350         -0.2350           592         3010.10         -2418.10         -0.3359         -0.3359           589         2314.98         -1725.98         -0.2398         -0.2398           589         2314.98         -1725.98         -0.2398         -0.2394           586         2191.16         -1605.16         -0.2230         -0.2547           586         2191.76         -16		,			
602         2813.33         -2211.33         -0.3074         -0.3073           601         3190.74         -2589.74         -0.3598         -0.3597           601         2195.79         -1594.79         -0.2215         -0.2215           600         2063.55         -1463.55         -0.2033         -0.2033           598         2414.55         -1816.55         -0.2524         -0.2523           596         1924.65         -1328.65         -0.1847         -0.1847           595         2006.00         -1411.00         -0.1960         -0.1960           594         2283.80         -1689.80         -0.2347         -0.2347           593         2284.91         -1691.91         -0.2350         -0.2350           592         3010.10         -2418.10         -0.3359         -0.2350           589         2314.98         -1725.98         -0.2398         -0.2397           589         2422.39         -1833.39         -0.2547         -0.2547           586         2191.16         -1605.16         -0.2330         -0.2234           586         2674.69         -2086.69         -0.2901         -0.2901           586         2674.69         -20					
601         3190.74         -2589.74         -0.3598         -0.3597           601         2195.79         -1594.79         -0.2215         -0.2215           600         2063.55         -1463.55         -0.2033         -0.2033           598         2414.55         -1816.55         -0.2524         -0.2523           596         1924.65         -1328.65         -0.1847         -0.1847           595         2006.00         -1411.00         -0.1960         -0.1960           594         2283.80         -1689.80         -0.2347         -0.2347           593         2284.91         -1691.91         -0.2350         -0.2350           592         3010.10         -2418.10         -0.3359         -0.3359           589         2314.98         -1725.98         -0.238         -0.239           589         2422.39         -1833.39         -0.2547         -0.2547           586         2191.16         -1605.16         -0.2230         -0.2230           586         2674.69         -2088.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2668         -0.2968           584         2384.69         -1800	604				
601         2195.79         -1594.79         -0.2215         -0.2215           600         2063.55         -1463.55         -0.2033         -0.2033           598         2414.55         -1816.55         -0.2524         -0.2523           596         1924.65         -1328.65         -0.1847         -0.1847           595         2006.00         -1411.00         -0.1960         -0.1960           594         2283.80         -1689.80         -0.2347         -0.2347           593         2284.91         -1691.91         -0.2350         -0.2350           592         3010.10         -2418.10         -0.3359         -0.3359           589         2314.98         -1725.98         -0.2988         -0.2397           589         2422.39         -1833.39         -0.2547         -0.2547           586         2191.16         -1605.16         -0.2230         -0.2230           586         2674.69         -2086.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2968         -0.2968           584         2384.69         -180.09         -0.2501         -0.2501           583         2063.74         -148	602		-2211.33	-0.3074	-0.3073
601         2195.79         -1594.79         -0.2215         -0.2215           600         2063.55         -1463.55         -0.2033         -0.2033           598         2414.55         -1816.55         -0.2524         -0.2523           596         1924.65         -1328.65         -0.1847         -0.1847           595         2006.00         -1411.00         -0.1960         -0.1960           594         2283.80         -1689.80         -0.2347         -0.2347           593         2284.91         -1691.91         -0.2350         -0.2350           592         3010.10         -2418.10         -0.3359         -0.3359           589         2314.98         -1725.98         -0.2988         -0.2397           589         2422.39         -1833.39         -0.2547         -0.2547           586         2191.16         -1605.16         -0.2230         -0.2230           586         2674.69         -2086.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2968         -0.2968           584         2384.69         -180.09         -0.2501         -0.2501           583         2063.74         -148	601	3190.74	-2589.74	-0.3598	-0.3597
600         2063.55         -1463.55         -0.2033         -0.2033           598         2414.55         -1816.55         -0.2524         -0.2523           596         1924.65         -1328.65         -0.1847         -0.1847           595         2006.00         -1411.00         -0.1960         -0.1960           594         2283.80         -1689.80         -0.2347         -0.2347           593         2284.91         -1691.91         -0.2350         -0.2350           592         3010.10         -2418.10         -0.3359         -0.3559           589         2314.98         -1725.98         -0.2398         -0.2397           589         2422.39         -1833.39         -0.2547         -0.2547           586         2191.16         -1605.16         -0.2230         -0.2230           586         2674.69         -2086.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2968         -0.2968           584         2384.69         -1800.69         -0.2501         -0.2501           583         2063.74         -1480.74         -0.2057         -0.265           582         1927.59         -134	601		-1594.79	-0.2215	
598         2414.55         -1816.55         -0.2524         -0.2523           596         1924.65         -1328.65         -0.1847         -0.1847           595         2006.00         -1411.00         -0.1960         -0.1960           594         2283.80         -1689.80         -0.2347         -0.2347           593         2284.91         -1691.91         -0.2350         -0.2350           592         3010.10         -2418.10         -0.3359         -0.3359           589         2314.98         -1725.98         -0.2398         -0.2397           589         2422.39         -1833.39         -0.2547         -0.2547           586         2191.16         -1605.16         -0.2230         -0.2230           586         2674.69         -2088.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2968         -0.2968           584         2384.69         -1800.69         -0.2501         -0.2501           583         2063.74         -1480.74         -0.2057         -0.2551           582         1927.59         -1345.59         -0.1870         -0.1870           578         2414.41         -18					
596         1924.65         -1328.65         -0.1847         -0.1847           595         2006.00         -1411.00         -0.1960         -0.1960           594         2283.80         -1689.80         -0.2347         -0.2347           593         2284.91         -1691.91         -0.2350         -0.2350           592         3010.10         -2418.10         -0.3359         -0.3359           589         2314.98         -1725.98         -0.2398         -0.2397           589         2422.39         -1833.39         -0.2547         -0.2547           586         2191.16         -1605.16         -0.2230         -0.2547           586         2674.69         -2088.69         -0.2901         -0.2901           586         2674.69         -2088.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2968         -0.2968           584         2384.69         -1800.69         -0.2501         -0.2501           583         2063.74         -1480.74         -0.2057         -0.2557           582         1927.59         -1345.59         -0.1870         -0.1870           578         2441.41         -18					
595         2006.00         -1411.00         -0.1960         -0.1960           594         2283.80         -1689.80         -0.2347         -0.2347           593         2284.91         -1691.91         -0.2350         -0.2350           592         3010.10         -2418.10         -0.3359         -0.3359           589         2314.98         -1725.98         -0.2398         -0.2398           589         2422.39         -1833.39         -0.2547         -0.2547           586         2191.16         -1605.16         -0.2230         -0.2230           586         2674.69         -2088.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2968         -0.2968           584         2384.69         -1800.69         -0.2501         -0.2501           583         2063.74         -1480.74         -0.2057         -0.2057           582         1927.59         -1345.59         -0.1870         -0.1870           578         2441.41         -1863.41         -0.2588         -0.2588           578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -19		,			
594         2283.80         -1689.80         -0.2347         -0.2347           593         2284.91         -1691.91         -0.2350         -0.2350           592         3010.10         -2418.10         -0.3359         -0.3359           589         2314.98         -1725.98         -0.2398         -0.2397           589         2422.39         -1833.39         -0.2547         -0.2547           586         2191.16         -1605.16         -0.2230         -0.2230           586         2674.69         -2088.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2968         -0.2908           584         2384.69         -1800.69         -0.2501         -0.2501           583         2063.74         -1480.74         -0.2057         -0.2057           582         1927.59         -1345.59         -0.1870         -0.1870           578         2441.41         -1863.41         -0.2588         -0.2588           578         2101.99         -1523.99         -0.2117         -0.2117           578         2493.58         -1915.58         -0.2661         -0.2661           578         2493.58         -19					
593         2284.91         -1691.91         -0.2350         -0.2350           592         3010.10         -2418.10         -0.3359         -0.3359           589         2314.98         -1725.98         -0.2398         -0.2397           589         2422.39         -1833.39         -0.2547         -0.2547           586         2191.16         -1605.16         -0.2230         -0.2230           586         2674.69         -2088.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2968         -0.2968           584         2384.69         -1800.69         -0.2501         -0.2501           583         2063.74         -1480.74         -0.2057         -0.2057           582         1927.59         -1345.59         -0.1870         -0.1870           578         2441.41         -1863.41         -0.2588         -0.2588           578         2101.99         -1523.99         -0.2117         -0.2117           578         2101.99         -1523.99         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.23661           577         3068.74         -2					
592         3010.10         -2418.10         -0.3359         -0.3359           589         2314.98         -1725.98         -0.2398         -0.2397           589         2422.39         -1833.39         -0.2547         -0.2547           586         2191.16         -1605.16         -0.2230         -0.2230           586         2674.69         -2088.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2968         -0.2968           584         2384.69         -1800.69         -0.2501         -0.2501           583         2063.74         -1480.74         -0.2057         -0.2057           582         1927.59         -1345.59         -0.1870         -0.1870           578         2441.41         -1863.41         -0.2588         -0.2588           578         2101.99         -1523.99         -0.2117         -0.2117           578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -17	594	2283.80			
589         2314.98         -1725.98         -0.2398         -0.2397           589         2422.39         -1833.39         -0.2547         -0.2547           586         2191.16         -1605.16         -0.2230         -0.2230           586         2674.69         -2088.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2968         -0.2968           584         2384.69         -1800.69         -0.2501         -0.2501           583         2063.74         -1480.74         -0.2057         -0.2057           582         1927.59         -1345.59         -0.1870         -0.1870           578         2441.41         -1863.41         -0.2588         -0.2588           578         2101.99         -1523.99         -0.2117         -0.2117           578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3462           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -17	593	2284.91	-1691.91	-0.2350	-0.2350
589         2314.98         -1725.98         -0.2398         -0.2397           589         2422.39         -1833.39         -0.2547         -0.2547           586         2191.16         -1605.16         -0.2230         -0.2230           586         2674.69         -2088.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2968         -0.2968           584         2384.69         -1800.69         -0.2501         -0.2501           583         2063.74         -1480.74         -0.2057         -0.2057           582         1927.59         -1345.59         -0.1870         -0.1870           578         2441.41         -1863.41         -0.2588         -0.2588           578         2101.99         -1523.99         -0.2117         -0.2117           578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -17	592	3010.10			-0.3359
589         2422.39         -1833.39         -0.2547         -0.2547           586         2191.16         -1605.16         -0.2230         -0.2230           586         2674.69         -2088.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2968         -0.2968           584         2384.69         -1800.69         -0.2501         -0.2501           583         2063.74         -1480.74         -0.2057         -0.2057           582         1927.59         -1345.59         -0.1870         -0.1870           578         2441.41         -1863.41         -0.2588         -0.2588           578         2101.99         -1523.99         -0.2117         -0.2117           578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -17	589	2314.98	-1725.98		-0.2397
586         2191.16         -1605.16         -0.2230         -0.2230           586         2674.69         -2088.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2968         -0.2968           584         2384.69         -1800.69         -0.2501         -0.2501           583         2063.74         -1480.74         -0.2057         -0.2057           582         1927.59         -1345.59         -0.1870         -0.1870           578         2441.41         -1863.41         -0.2588         -0.2588           578         2101.99         -1523.99         -0.2117         -0.2117           578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -17				-0 2547	
586         2674.69         -2088.69         -0.2901         -0.2901           586         2722.63         -2136.63         -0.2968         -0.2968           584         2384.69         -1800.69         -0.2501         -0.2501           583         2063.74         -1480.74         -0.2057         -0.2057           582         1927.59         -1345.59         -0.1870         -0.1870           578         2441.41         -1863.41         -0.2588         -0.2588           578         2101.99         -1523.99         -0.2117         -0.2117           578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -1714.38         -0.2341         -0.2234           567         2174.50         -16					
586         2722.63         -2136.63         -0.2968         -0.2968           584         2384.69         -1800.69         -0.2501         -0.2501           583         2063.74         -1480.74         -0.2057         -0.2057           582         1927.59         -1345.59         -0.1870         -0.1870           578         2441.41         -1863.41         -0.2588         -0.2588           578         2101.99         -1523.99         -0.2117         -0.2117           578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -1714.38         -0.2381         -0.2381           567         2174.50         -1607.50         -0.2234         -0.2234					
584         2384.69         -1800.69         -0.2501         -0.2501           583         2063.74         -1480.74         -0.2057         -0.2057           582         1927.59         -1345.59         -0.1870         -0.1870           578         2441.41         -1863.41         -0.2588         -0.2588           578         2101.99         -1523.99         -0.2117         -0.2117           578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -1714.38         -0.2381         -0.2381           567         2174.50         -1607.50         -0.2234         -0.2234					
583         2063.74         -1480.74         -0.2057         -0.2057           582         1927.59         -1345.59         -0.1870         -0.1870           578         2441.41         -1863.41         -0.2588         -0.2588           578         2101.99         -1523.99         -0.2117         -0.2117           578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -1714.38         -0.2381         -0.2381           567         2174.50         -1607.50         -0.2234         -0.2234					
582         1927.59         -1345.59         -0.1870         -0.1870           578         2441.41         -1863.41         -0.2588         -0.2588           578         2101.99         -1523.99         -0.2117         -0.2117           578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -1714.38         -0.2381         -0.2381           567         2174.50         -1607.50         -0.2234         -0.2234					
578         2441.41         -1863.41         -0.2588         -0.2588           578         2101.99         -1523.99         -0.2117         -0.2117           578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -1714.38         -0.2381         -0.2381           567         2174.50         -1607.50         -0.2234         -0.2234			-1480.74		
578         2101.99         -1523.99         -0.2117         -0.2117           578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -1714.38         -0.2381         -0.2381           567         2174.50         -1607.50         -0.2234         -0.2234	582	1927.59	-1345.59	-0.1870	-0.1870
578         2101.99         -1523.99         -0.2117         -0.2117           578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -1714.38         -0.2381         -0.2381           567         2174.50         -1607.50         -0.2234         -0.2234	578	2441.41	-1863.41	-0.2588	-0.2588
578         2108.68         -1530.68         -0.2126         -0.2126           578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -1714.38         -0.2381         -0.2381           567         2174.50         -1607.50         -0.2234         -0.2234					
578         2493.58         -1915.58         -0.2661         -0.2661           577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -1714.38         -0.2381         -0.2381           567         2174.50         -1607.50         -0.2234         -0.2234					
577         3068.74         -2491.74         -0.3462         -0.3461           577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -1714.38         -0.2381         -0.2381           567         2174.50         -1607.50         -0.2234         -0.2234		,			
577         2302.42         -1725.42         -0.2397         -0.2397           576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -1714.38         -0.2381         -0.2381           567         2174.50         -1607.50         -0.2234         -0.2234					
576         2282.07         -1706.07         -0.2370         -0.2370           570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -1714.38         -0.2381         -0.2381           567         2174.50         -1607.50         -0.2234         -0.2234					
570         2323.06         -1753.06         -0.2435         -0.2435           568         2282.38         -1714.38         -0.2381         -0.2381           567         2174.50         -1607.50         -0.2234         -0.2234					
568     2282.38     -1714.38     -0.2381     -0.2381       567     2174.50     -1607.50     -0.2234     -0.2234					
567 2174.50 -1607.50 -0.2234 -0.2234	570	2323.06	-1753.06	-0.2435	-0.2435
567 2174.50 -1607.50 -0.2234 -0.2234	568	2282.38	-1714.38	-0.2381	-0.2381
	567				-0.2234
-0.2220					
	23.1	=::::::			3.2220

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 567 2624.82 -2057.82 -0.2859 -0.2858 564 2099.83 -1535.83 -0.2133 -0.2133 563 2690.52 -2127.52 -0.2958 -0.2957 562 -0.2449 -0.2449 2324.96 -1762.96560 -0.2456 -0.2456 2328 14 -1768 14 557 2806.62 -2249.62 -0.3125 -0.3125 557 2239.93 -1682.93 -0.2338-0.2338 556 1648.83 -1092.83 -0.1519 -0.1519 555 2775.27 -2220.27 -0.3084-0.3084 -0.1966 1968.12 -1414.12 -0.1966 554 553 2805.41 -2252.41 -0.3129 -0.3129 551 2368.71 -1817.71 -0 2525 -0 2525 550 1869.97 -0.1834 -0.1834 -1319.97550 3143.23 -2593.23 -0.3603 -0.3603 549 1807.18 -0.1749 -0.1749 -1258.18549 2341.30 -1792.30 -0.2490 -0.2490 547 3012.23 -2465.23 -0.3425-0.3424546 2225.34 -1679.34-0 2333 -0 2333 545 -1717.55 -0.2386 -0.2386 2262.55 545 2395.45 -1850.45 -0.2571 -0.2570 -0.2962 -0.2962 545 2677.47 -2132.47 -1667.13 -0.2316 -0.2316 543 2210.13 543 2353.86 -1810.86 -0.2516-0.2515 540 2233.27 -1693.27 -0.2352-0.2352 540 2209.75 -1669.75 -0.2320-0.2319 540 -0.2558 2381.68 -1841.68 -0.2558538 2665.13 -2127.13 -0.2957 -0.2957 537 1497.88 -960.88 -0.1336 -0.1336 534 1773.43 -1239.43-0.1723-0.1722 533 2447.53 -1914.53 -0.2660 -0.2659 -0.2701 -0.2700 530 2473.97 -1943.972168.55 -0.2279 -0.2279 528 -1640 55 527 2650.01 -2123.01 -0.2949 -0.2949 522 2186.31 -1664.31 -0.2312 -0.2312 521 2199.55 -1678.55 -0.2332 -0.2331 521 1960.04 -1439.04 -0.2000 -0.2000 521 2699.03 -2178.03-0.3026-0.3025520 2325.25 -1805.25 -0.2508 -0.2508 518 2288.65 -1770.65 -0.2460-0.2460 -0.3072 -0.3071 517 2727 00 -2210.00 2367.67 -1852.67 -0.2574 -0.2573 515 513 3381.99 -2868.99 -0.3985 -0.3985 513 1581.93 -1068.93 -0.1486 -0.1486 512 2323.92 -1811.92 -0.2517-0.2517 512 2349.58 -1837.58-0.2553 -0 2552 511 2224.37 -1713.37 -0.2380 -0.2380 510 2200.12 -1690.12 -0.2348 -0.2348 2285.76 509 -0.2468 -0.2468 -1776.76-0.2936 -0.2936 507 2620.70 -2113.70 -0.2539 507 2334.72 -1827.72-0.2539507 2252.54 -1745.54 -0.2425 -0.2425 507 2308.40 -1801.40 -0.2503-0.2502 507 2091.11 -1584.11 -0.2201 -0.2200 507 2879.83 -2372.83 -0.3307 -0.3307 505 2872.02 -2367.02 -0.3289 -0.3288 505 2667.36 -0.3004 -0.3004 -2162.36 504 -0.1926 -0.1925 1890.09 -1386.09 503 2805.48 -2302.48 -0.3207-0.3206502 2477 30 -1975 30 -0.2744 -0.2744 502 2212.49 -1710.49 -0.2376 -0.2376 500 2532.23 -2032.23-0.2823-0.2823 500 2415.19 -1915.19 -0.2661 -0.2660 500 2500.74 -2000.74 -0.2779-0.2779500 2583.16 -2083.16 -0.2894-0.2893496 3019.13 -2523.13 -0.3505 -0.3505 496 2223.29 -1727.29 -0.2399 -0.2399 495 -0.2855 -0.2855 2550 48 -2055 48

-1809.20

-0.2513

-0.2513

494

	predicted_num_subscribers			
494	2246.21	-1752.21	-0.2434	-0.2434
494	1555.61	-1061.61 -1728.97	-0.1476 -0.2402	-0.1476 -0.2401
492 491	2220.97 2268.32	-1728.97	-0.2469	-0.2401
489	2319.92	-1830.92	-0.2543	-0.2543
489	2330.41	-1841.41	-0.2558	-0.2558
487	2284.77	-1797.77	-0.2497	-0.2497
486	2514.80	-2028.80	-0.2818	-0.2818
486		-1878.04	-0.2609	-0.2609
485	2317.56	-1832.56	-0.2546	-0.2545
485		-1896.91	-0.2635	-0.2635
484	1848.34	-1364.34	-0.1897	-0.1896
483		-1142.05	-0.1588	-0.1587
482 481	2047.14 2597.25	-1565.14 -2116.25	-0.2174 -0.2940	-0.2174 -0.2939
481	2529.02	-2048.02	-0.2845	-0.2845
480		-2012.12	-0.2795	-0.2795
480		-1815.24	-0.2522	-0.2521
478		-1714.36	-0.2382	-0.2381
478	2226.47	-1748.47	-0.2429	-0.2429
478	2239.07	-1761.07	-0.2446	-0.2446
477	2816.44	-2339.44	-0.3250	-0.3250
476	,	-1641.25	-0.2280	-0.2280
475		-2565.82	-0.3564	-0.3564
472	2516.53	-2044.53	-0.2840	-0.2840
469 467	2560.01 2034.90	-2091.01 -1567.90	-0.2905 -0.2180	-0.2904 -0.2179
467		-1916.29	-0.2662	-0.2179
465		-2146.12	-0.2981	-0.2981
464	2119.97	-1655.97	-0.2300	-0.2300
462		-2030.67	-0.2821	-0.2821
462	2639.15	-2177.15	-0.3025	-0.3025
462	2371.03	-1909.03	-0.2652	-0.2652
461	2664.89	-2203.89	-0.3061	-0.3061
461	2113.28	-1652.28	-0.2296	-0.2296
460		-2096.47	-0.2912	-0.2912
459	1	-1866.45	-0.2593	-0.2592
458 458		-1778.34 -1830.65	-0.2470 -0.2543	-0.2470 -0.2543
455	2295.24	-1840.24	-0.2557	-0.2556
454	2468.73	-2014.73	-0.2799	-0.2798
454	2560.42	-2106.42	-0.2926	-0.2926
453		-1342.52	-0.1866	-0.1866
452	2130.83	-1678.83	-0.2332	-0.2332
452		-1597.08	-0.2219	-0.2218
452		-1751.55	-0.2433	-0.2433
452		-2833.42	-0.3962	-0.3962
450		-2307.26	-0.3205	-0.3205
450 447		-1803.88 -1839.38	-0.2506	-0.2506 0.2555
44 <i>7</i> 447	2286.38 2265.73	-1839.38 -1818.73	-0.2555 -0.2527	-0.2555 -0.2526
447		-2132.08	-0.2962	-0.2961
445		-1817.84	-0.2525	-0.2525
442		-1513.41	-0.2104	-0.2103
441		-2372.50	-0.3296	-0.3296
440		-1809.84	-0.2514	-0.2514
438		-1736.91	-0.2413	-0.2412
438		-1842.55	-0.2560	-0.2559
438		-1668.36	-0.2318	-0.2317
437		-2022.17	-0.2809	-0.2809
436		-2093.61	-0.2908	-0.2908
434		-2358.70	-0.3277	-0.3276
431	2196.97	-1765.97	-0.2453	-0.2453
431 431	,	-2605.02 -1613.06	-0.3619 -0.2242	-0.3619 -0.2241
		-1771.11	-0.2461	-0.2460
430	/////			
430 426		-1761.21	-0.2447	-0.2446

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 426 2735.97 -2309.97 -0.3209 -0.3209 426 2301.44 -1875.44 -0.2605 -0.2605 425 2356.05 -1931.05 -0.2683 -0.2682 424 -0.3285 -0.3285 2789.02 -2365.02 424 -0.2625 -0.2625 2313 82 -1889 82 422 2664.05 -2242.05 -0.3116 -0.3115 422 3128.29 -2706.29-0.3760 -0.3759 421 2395.07 -1974.07 -0.2742 -0.2742 421 2341.30 -1920.30-0.2668-0.2667-0.2596 -0.2596 420 2288.65 -1868.65 420 2219.89 -1799.89 -0.2500 -0.2500 418 2151.17 -1733.17-0.2408-0.2407418 3064.30 -0.3677 -0.3676 -2646.30 417 2978.56 -2561.56 -0.3560 -0.3559 415 2785.30 -0.3293-0.3292 -2370.30414 2348.11 -1934.11 -0.2687 -0.2687 412 2698.77 -2286.77 -0.3178 -0.3177410 2139 40 -172940-0 2403 -0.2402409 2609.12 -2200.12 -0.3056 -0.3056 408 1947.79 -1539.79 -0.2140 -0.2140 -1994.35 -0.2771 -0.2770 408 2402.35 -0.2614 -0.2613 408 2289.52 -1881.52 407 2656.59 -2249.59 -0.3125-0.3125 406 2238.17 -1832.17 -0.2545 -0.2545 406 2275.12 -1869.12 -0.2596-0.2596 405 -0.2753 2386.92 -1981.92 -0.2754402 2326.95 -1924.95 -0.2674 -0.2674 402 2670.89 -2268.89 -0.3152 -0.3152 401 2389.79 -1988.79 -0.2763-0.2762 1549.02 -0.1599 399 -1150.02 -0.1599 -0.2551 -0.2550 397 2233.09 -1836.092364.71 -0.2733 -0.2733 397 -1967 71 397 1585.57 -1188.57 -0.1652 -0.1652 396 3052.50 -2656.50 -0.3690 -0.3690 396 2185.46 -1789.46 -0.2486 -0.2486 395 2544.13 -2149.13 -0.2986-0.2985395 2142.15 -1747.15-0.2429-0.2429394 2668.47 -2274.47 -0.3160 -0.3159 394 2371.29 -1977.29 -0.2747 -0.2746 394 -2707.78 -0.3762 -0.3761 3101 78 393 2446.01 -2053.01 -0.2852 -0.2852 -0.2888 392 2470.61 -2078.61 -0.2888 390 2292.64 -1902.64 -0.2643 -0.2643 390 2310.34 -1920.34-0.2668 -0.2667390 2212.97 -1822.97-0.2532 -0.2532 390 2565.05 -2175.05 -0.3022 -0.3021 389 1673.66 -1284.66 -0.1786 -0.1786 2867.73 -0.3446-0.3445388 -2479.73-0.2741 -0.2741 387 2360.00 -1973.00 387 2353.23 -1966.23-0.2731-0.2731385 2583.75 -2198.75 -0.3055 -0.3054 384 2468.87 -2084.87 -0.2897 -0.2896 384 2779.50 -2395.50 -0.3328-0.3327384 2509.24 -2125.24 -0.2952 -0.2952 384 2819.72 -2435.72 -0.3384 -0.3384 383 2164.29 -1781.29 -0.2474 -0.2474 -0.2753 382 2362.65 -1980.65 -0.2753 382 1640.12 -1258.12 -0.1749-0.1749381 2511 36 -2130 36 -0.2960 -0.2959 380 2306.94 -1926.94 -0.2677 -0.2676 380 2526.38 -2146.38-0.2982-0.2982 380 2282.07 -1902.07 -0.2642 -0.2642 379 2599.90 -2220.90 -0.3085 -0.3085 379 2613.06 -2234.06 -0.3103-0.3103 377 2345.34 -1968.34 -0.2734-0.2734 376 2331.81 -1955.81 -0.2717 -0.2717 376 2352 01 -1976 01 -0.2745-0.2745376 2414.82 -2038.82 -0.2832 -0.2832

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 375 2367.18 -1992.18 -0.2768 -0.2767375 1625.05 -1250.05 -0.1738 -0.1737 375 2180.85 -1805.85 -0.2509 -0.2508 375 -0.3078 -0.3077 2586.73 -2211.73 373 -0.2694 -0.2694 2312 44 -193944372 2399.93 -2027.93 -0.2817 -0.2817 371 2394.41 -2023.41-0.2811 -0.2811 368 3057.79 -2689.79 -0.3742 -0.3742 367 2345.68 -1978.68 -0.2749-0.2748-0.2521 -0.2521 367 2181.84 -1814.84 366 2600.32 -2234.32 -0.3104 -0.3104 365 2325.25 -1960.25-0.2723-0 2723 363 2241.58 -0.2610 -0.2609 -1878.58362 2400.53 -2038.53 -0.2832 -0.2832 362 -1504.60 -0.2091 -0.2091 1866.60 361 2337.75 -1976.75 -0.2746 -0.2746 361 2265.73 -1904.73 -0.2646-0.2646360 1682 78 -1322.78-0 1839 -0 1839 359 2760.85 -2401.85 -0.3337 -0.3336 359 2171.08 -1812.08 -0.2519 -0.2519 -1951.90 -0.2712 -0.2711 358 2309.90 1554.56 -0.1663 -0.1663 358 -1196.56 357 2318.71 -1961.71 -0.2725-0.2725 354 2636.80 -2282.80 -0.3172 -0.3172 354 2554.97 -2200.97 -0.3058-0.3057 353 2224.22 -1871.22-0.2599-0.2599353 2276.40 -1923.40 -0.2672 -0.2672 353 2154.75 -1801.75 -0.2503 -0.2503 353 3259.83 -2906.83 -0.4041 -0.4040 -0.3279 -0.3278 353 2711.42 -2358.42 -0.2695 353 2293.36 -1940.36-0.2695 2438.53 -2089.53 -0.2903 -0.2903 349 347 2582.71 -0.3106 -0.3106 -2235.71347 2304.22 -1957.22-0.2719-0.2719 346 1892.60 -1546.60 -0.2150 -0.2150 346 1971.04 -1625.04 -0.2258-0.22582292.74 343 -0 2708 -0.2708-1949.74343 2157.92 -1814.92 -0.2523 -0.2523 342 2572.76 -2230.76 -0.3099 -0.3098 342 -0.2869 -0.2868 2407.19 -2065.19342 2187.22 -1845.22 -0.2563 -0.2563 -0.2647 341 2247.07 -1906.07 -0.2648 341 2719.50 -2378.50 -0.3304 -0.3304 338 1746.91 -1408.91 -0.1959 -0.1958-0.2883 338 2413.25 -2075.25 -0.2883 336 1478.90 -1142.90 -0.1589 -0.1589 335 2520.48 -2185.48 -0.3036 -0.3036 335 -0.2070 -0.2070 1824.95 -1489.95-0.2471 -0.2470 335 2113.39 -1778.39 334 2814.86 -2480.86-0.3447 -0.3447334 2538.28 -2204.28 -0.3062 -0.3062 333 3005.64 -2672.64 -0.3734-0.3734 2305.44 -1972.44 -0.2740-0.2740 333 333 2354.28 -2021.28 -0.2808 -0.2808 332 2461.26 -2129.26 -0.2958 -0.2958 331 2410.51 -2079.51 -0.2889 -0.2889 -0.2301 327 1982.61 -1655.61 -0.2301 327 2137.96 -1810.96 -0.2516 -0.2515327 2263 15 -1936 15 -0.2690 -0.2689 326 2175.43 -1849.43 -0.2569 -0.2569 326 2062.84 -1736.84-0.2413-0.2412 326 2426.85 -2100.85 -0.2919 -0.2918 325 2513.31 -2188.31 -0.3040 -0.3039 325 -2142.09 -0.2976-0.29752467.09 325 2321.87 -1996.87 -0.2774 -0.2774

-1837.11

-2136 73

-1858.56

-0.2552

-0.2968

-0.2582

-0.2552

-0.2968

-0.2582

324

323

322

2161.11

2459 73

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 2232.90 -1911.90 -0.2656 -0.2656 319 2382.29 -2063.29 -0.2866 -0.2866 319 1575.35 -1256.35 -0.1747 -0.1746 317 2179.48 -0.2587 -0.2587 -1862.48315 2231.29 -0.2662 -0.2662 -1916 29 315 2402.47 -2087.47 -0.2900 -0.2899 -2089.87 314 2403.87 -0.2903-0.2903 314 2365.08 -2051.08 -0.2849 -0.2849 314 2577.26 -2263.26 -0.3144-0.3144 -2054.62 -0.2854 -0.2854 313 2367.62 313 1905.19 -1592.19 -0.2212 -0.2212 312 2450.72 -2138.72 -0.2971-0.2971 311 -1964.49 -0.2729 -0.2729 2275.49 311 2787.26 -2476.26 -0.3441 -0.3440 308 2301.82 -0.2770 -0.2770 -1993.82307 2275.40 -1968.40 -0.2735 -0.2734 306 2358.32 -2052.32 -0.2851-0.2851 306 2125.35 -1819 35 -0 2527 -0 2527 305 -2176.45 -0.3023 -0.3023 2481.45 305 2468.51 -2163.51 -0.3005 -0.3005 -0.3189 305 2601.04 -2296.04 -0.3190 -0.2682 -0.2681 2235.41 -1930.41 302 2005.56 -1703.56-0.2367-0.2366 301 2444.85 -2143.85 -0.2978 -0.2978 300 1727.62 -1427.62 -0.1984-0.1984 -0.2932 300 2410.78 -2110.78 -0.2932300 2063.18 -1763.18 -0.2450 -0.2450 299 2373.71 -2074.71 -0.2882 -0.2882 299 2016.18 -1717.18 -0.2385 -0.2385 -0.2858 -0.2858 298 2355.55 -2057.55 -0.2836 -0.2835 297 2338.39 -2041.39 2373.16 -0.2884 -0.2884 297 -2076 16 297 2470.38 -2173.38 -0.3019 -0.3019 295 2229.87 -1934.87-0.2688 -0.2688 294 2251.11 -1957.11 -0.2719 -0.2718 294 1781.77 -1487.77 -0.2068-0.2068 2077.57 293 -1784.57-0.2479-0.2479293 2891.61 -2598.61 -0.3613 -0.3613 293 2646.66 -2353.66 -0.3270 -0.3269 293 -0.1687 -0.1686 1506.14 -1213 14 293 2608.45 -2315.45 -0.3217 -0.3217 -0.3015 292 2462.84 -2170.84 -0.3016 291 2161.37 -1870.37 -0.2598 -0.2598 290 2729.89 -2439.89 -0.3390 -0.3389289 2553.21 -2264 21 -0.3145 -0.3145 288 2408.69 -2120.69 -0.2946 -0.2946 288 2105.50 -1817.50 -0.2525 -0.2524 287 -0.3354-0.3353 2700.99 -2413.99-0.2828 -0.2827 286 2321.56 -2035.56 285 1850.82 -1565.82-0.2176-0.2175284 2295.24 -2011.24 -0.2794 -0.2794 283 2412.65 -2129.65 -0.2959-0.2958 282 -2114.95 -0.2938-0.2938 2396.95 280 2715.83 -2435.83 -0.3384 -0.3384 280 2573.17 -2293.17 -0.3186 -0.3185 279 2003.44 -1724.44 -0.2397-0.2397 -0.3011 -0.3011 276 2443.47 -2167.47 276 2602.22 -2326.22 -0.3232-0.3231276 1507 79 -1231 79 -0.1713 -0.1712 274 2427.31 -2153.31 -0.2991 -0.2991 274 2322.24 -2048.24 -0.2845 -0.2845 274 2218.69 -1944.69 -0.2702 -0.2701 273 2319.02 -2046.02 -0.2842-0.2842-0.1650 273 1460.01 -1187.01 -0.1650272 2258.29 -1986.29 -0.2759 -0.2759 272 2382.29 -2110.29 -0.2932 -0.2931

-2039 64

-2120.96

271

270

2310 64

2390.96

-0.2833

-0.2947

-0.2833

-0.2946

	predicted_num_subscribers			
270	2700.58	-2430.58	-0.3377	-0.33
270	2460.44	-2190.44	-0.3043	-0.30
267	1557.10	-1290.10	-0.1794	-0.179
267	2323.28	-2056.28	-0.2857	-0.28
266	2292.54	-2026.54	-0.2815	-0.28
265	2358.13	-2093.13	-0.2908	-0.29
265	2380.79	-2115.79	-0.2939	-0.29
264	2000.47	-1736.47	-0.2412	-0.24
263	2367.62	-2104.62	-0.2924	-0.29
262	2275.49	-2013.49	-0.2924	-0.29
261	2299.28	-2038.28	-0.2832	-0.28
261	2296.10	-2035.10	-0.2827	-0.28
261	2340.26	-2079.26	-0.2889	-0.28
260	1939.13	-1679.13	-0.2334	-0.23
260	2411.15	-2151.15	-0.2988	-0.29
259	2266.59	-2007.59	-0.2789	-0.27
257	2314.98	-2057.98	-0.2859	-0.28
256	2404.65	-2148.65	-0.2985	-0.29
256	2346.05	-2090.05	-0.2903	-0.29
255	2262.55	-2007.55	-0.2789	-0.27
255	2209.38	-1954.38	-0.2715	-0.27
254	2428.81	-2174.81	-0.3021	-0.30
253	2338.92	-2085.92	-0.2898	-0.28
253	2190.39	-1937.39	-0.2691	-0.26
252	2675.75	-2423.75	-0.3367	-0.33
252	2373.43	-2121.43	-0.2947	-0.29
252	2629.00	-2377.00	-0.3302	-0.33
251	1999.05	-1748.05	-0.2429	-0.24
250	2410.55	-2160.55	-0.3001	-0.30
249	2481.26	-2232.26	-0.3101	-0.3
249	2281.70	-2032.70	-0.2824	-0.28
249	2578.30	-2329.30	-0.3236	-0.32
248	1543.94	-1295.94	-0.1802	-0.18
247	2305.86	-2058.86	-0.2860	-0.28
246	2370.34	-2124.34	-0.2951	-0.29
246	2345.34	-2099.34	-0.2916	-0.29
245	2335.17	-2090.17	-0.2904	-0.29
245	1879.36	-1634.36	-0.2904	-0.22
245	2345.34	-2100.34	-0.2918	-0.29
244	2565.09	-2321.09	-0.3224	-0.3
244	2612.03	-2368.03	-0.3290	-0.32
244	2412.65	-2168.65	-0.3013	-0.30
241	2360.00	-2119.00	-0.2944	-0.29
240	4687.54	-4447.54	-0.6285	-0.62
239	2530.33	-2291.33	-0.3183	-0.3
239	1903.86	-1664.86	-0.2313	-0.23
239	2424.77	-2185.77	-0.3037	-0.30
238	2272.31	-2034.31	-0.2826	-0.2
238	2386.33	-2148.33	-0.2984	-0.2
238	2457.22	-2219.22	-0.3083	-0.3
237	2299.99	-2062.99	-0.2866	-0.2
237	2371.67	-2134.67	-0.2966	-0.2
237	2612.03	-2375.03	-0.3300	-0.3
237	2299.28	-2062.28	-0.2865	-0.2
236	2491.02	-2255.02	-0.3133	-0.3
236	2201.01	-1965.01	-0.2730	-0.2
232	2416.77	-2184.77	-0.3035	-0.3
232	2321.56	-2089.56	-0.2903	-0.2
231	2459.26	-2228.26	-0.3096	-0.30
230	2258.38	-2028.38	-0.2818	-0.2
229	2512.95	-2283.95	-0.3173	-0.3
229	2401.58	-2172.58	-0.3018	-0.3
228	1927.98	-1699.98	-0.2362	-0.2
228	2475.45	-2247.45	-0.3122	-0.3
228	2529.48	-2301.48	-0.3198	-0.31
228	2275.49	-2047.49	-0.2844	-0.28
228	2451.09	-2223.09	-0.3088	-0.30
228	2282.86	-2054.86	-0.2855	-0.28

-2023.71

-0.2811

-0.2811

193

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 193 2400.53 -2207.53 -0.3067-0.3066 192 2407.97 -2215.97 -0.3078 -0.3078 190 2291.04 -2101.04 -0.2919 -0.2918 190 -0.3064 -0.3063 2395.53 -2205.53 189 -0.2867 -0.2867 2252 79 -2063 79 189 2262.22 -2073.22 -0.2880 -0.2880 189 2533.06 -2344.06-0.3257-0.3256 188 2419.09 -2231.09 -0.3099 -0.3099 188 2335.58 -2147.58 -0.2983-0.2983-0.2663 2103.48 -0.2663 187 -1916.48 187 2272.44 -2085.44 -0.2897 -0.2897 186 2168.55 -1982.55-0.2754-0.2754186 2322.49 -2136.49 -0.2968 -0.2967 186 2235.00 -2049.00 -0.2846 -0.2846 185 1749.50 -1564.50 -0.2175 -0.2174 185 2083.78 -1898.78 -0.2641 -0.2640 185 1738.83 -1553.83 -0.2160 -0.2160 184 2267.50 -2083.50 -0 2894 -0.2894 184 2428.89 -2244.89 -0.3119 -0.3118 183 1963.01 -1780.01 -0.2474-0.2473 -0.3016 -0.3015 2353.87 -2170.87 183 -0.3220 -0.3220 181 2499.33 -2318.33 181 2324.36 -2143.36 -0.2977-0.2977180 2121.47 -1941.47 -0.2697 -0.2697 178 2333.49 -2155.49 -0.2994-0.2994 178 2145.85 -1967.85 -0.2734-0.2733177 2056.70 -1879.70 -0.2611 -0.2611 177 2381.33 -2204.33 -0.3062 -0.3062 -0.2916 177 2276.58 -2099.58 -0.2917 -2164.26 -0.3007 -0.3006 176 2340.26 -0.2921 -0.2920 173 2275.58 -2102.58 1990.71 -0.2527 -0.2526 172 -1818 71 172 2406.51 -2234.51 -0.3104 -0.3104 172 2433.43 -2261.43-0.3142-0.3141 172 2476.77 -2304.77 -0.3202 -0.3201 171 2259.42 -2088.42 -0.2901-0.2901 -2037.57 170 2207.57 -0.2831-0.2831170 2292.69 -2122.69 -0.2949 -0.2949 169 2329.64 -2160.64 -0.3002 -0.3001 168 -0.3098 -0.3097 2397.81 -2229.81 168 2357.46 -2189.46 -0.3042 -0.3041 -0.1894 1530.78 -1362.78 -0.1895 168 167 2121.25 -1954.25 -0.2715 -0.2714 167 2332.18 -2165.18 -0.3008 -0.3008 166 2327.77 -2161.77 -0.3003 -0.3003 166 2244.12 -2078.12 -0.2887 -0.2886 165 2292.32 -2127.32 -0.2955 -0.2955 -0.2062 -0.2061 165 1648.15 -1483.15-0.3064 -0.3064 165 2370.62 -2205.62 164 2172.37 -2008.37-0.2790-0.2790164 2936.91 -2772.91 -0.3854 -0.3853 164 2129.06 -1965.06 -0.2730 -0.2729 -2098.87 -0.2916 -0.2915 162 2260.87 159 2289.10 -2130.10 -0.2959 -0.2959 158 2186.83 -2028.83 -0.2818 -0.2818 157 2412.65 -0.3134 -0.3133 -2255.65 -0.2885 -0.2885 156 2233.09 -2077.09 156 2449.68 -2293.68 -0.3186 -0.3186155 1681 56 -1526 56 -0.2122 -0.2122 2940.47 -2785.47 -0.3880 -0.3879 155 155 2650.02 -2495.02-0.3466 -0.3466 155 2301.90 -2146.90 -0.2982 -0.2982 155 2444.05 -2289.05 -0.3180 -0.3180 154 2459.26 -2305.26 -0.3203-0.3202153 2539.19 -2386.19 -0.3315 -0.3315

-2210.40

-2380 87

-2192.34

-0.3071

-0.3307

-0.3046

-0.3070

-0.3307

-0.3045

153

153

153

2363.40

2533 87

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 152 1800.61 -1648.61 -0.2291 -0.2291 152 2263.46 -2111.46 -0.2933 -0.2933 152 2460.76 -2308.76 -0.3208 -0.3207 152 -1774.02 -0.2465 -0.2465 1926.02 152 1565.19 -1413.19 -0.1965 -0.1964 151 2676.34 -2525.34 -0.3508 -0.3508 -2069.75 151 2220.75 -0.2875-0.2875 150 2213.38 -2063.38 -0.2866 -0.2866 149 2386.19 -2237.19 -0.3108-0.3108 2304.22 -0.2994 -0.2994 149 -2155.22 148 2278.12 -2130.12 -0.2959 -0.2959 148 2289.52 -2141.52 -0.2975-0 2975 147 2164.29 -2017.29 -0.2802 -0.2802 147 2301.82 -2154.82 -0.2994 -0.2993 -0.3004 146 2308.40 -0.3004 -2162.40145 2540.31 -2395.31 -0.3327 -0.3327 144 2345.56 -2201.56 -0.3058 -0.3058 143 2391.45 -2248 45 -0.3123 -0.3123 142 2616.16 -2474.16 -0.3438 -0.3437 142 2426.74 -2284.74 -0.3174 -0.3174 -0.2904 142 2233.05 -2091.05 -0.2905140 -0.3029 -0.3029 2320.74 -2180.74 139 2047.44 -1908.44-0.2651-0.2651 139 2384.83 -2245.83 -0.3120 -0.3120 139 2312.44 -2173.44 -0.3019 -0.3019 -0.3345 139 2546.81 -2407.81 -0.3345137 2406.07 -2269.07 -0.3152 -0.3152 137 2363.22 -2226.22 -0.3093 -0.3092 137 2411.82 -2274.82 -0.3160 -0.3160 -0.3003 -0.3003 137 2298.90 -2161.90 -0.3267 -0.3266 136 2487.40 -2351.40 2144.21 -0.2790 -0.2789 136 -2008 21 136 2505.64 -2369.64 -0.3292-0.3291 135 2333.76 -2198.76-0.3054-0.3054 135 2418.18 -2283.18 -0.3172 -0.3171 135 2512.28 -2377.28 -0.3303 -0.3302135 2325.60 -2190.60 -0.3043-0.3043135 2510.32 -2375.32 -0.3300 -0.3299 134 2285.19 -2151.19 -0.2989 -0.2988 134 -0.2173 1697 26 -1563.26-0.2173 133 2266.93 -2133.93 -0.2967 -0.2966 -0.2997 132 2289.52 -2157.52 -0.2997 132 2334.72 -2202.72 -0.3060 -0.3060 131 2312.44 -2181.44 -0.3030 -0.3030 131 2219.93 -2088.93 -0.2902-0.2901 130 2354.44 -2224.44 -0.3090 -0.3090 130 2246.21 -2116.21 -0.2940 -0.2939 129 2682.56 -0.3548-0.3547-2553.56 -0.3121 -0.3121 129 2375.86 -2246.86 128 2238.17 -2110.17-0.2931-0.2931126 2531.73 -2405.73 -0.3343 -0.3343 126 2023.42 -1897.42 -0.2638 -0.2637 126 -2162.65 -0.3004-0.3004 2288.65 125 2107.99 -1982.99 -0.2755 -0.2755 124 2236.45 -2112.45 -0.2935 -0.2934 124 2345.34 -0.3086 -0.3086 -2221.34-0.2989 -0.2989 124 2275.72 -2151.72 124 2231.37 -2107.37 -0.2927-0.2927123 2377 43 -2254 43 -0.3132 -0.3131 123 2277.66 -2154.66 -0.2993 -0.2993 122 2530.61 -2408.61 -0.3347-0.3346 122 2322.11 -2200.11 -0.3056 -0.3056 122 2014.50 -1892.50 -0.2629-0.2629-0.2906 122 2214.17 -2092.17-0.2906122 2489.36 -2367.36 -0.3289 -0.3289

-1635.09

-2127 02

-2298.27

-0.2273

-0.2955

-0.3193

-0.2272

-0.2954

-0.3192

121

120

120

1756.09

2247.02

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 120 2289.78 -2169.78 -0.3014 -0.3014 120 2375.93 -2255.93 -0.3134 -0.3133 120 2428.35 -2308.35 -0.3207 -0.3206 119 -0.3314 -0.3314 2504.28 -2385.28 119 -0.3066 -0.3065 2325 82 -2206 82 119 2319.10 -2200.10 -0.3056 -0.3056 119 2345.38 -2226.38-0.3093-0.3092 119 2414.15 -2295.15 -0.3188 -0.3188 119 2275.58 -2156.58 -0.2996-0.29952275.49 -2157.49 -0.2997 -0.2997 118 117 2141.63 -2024.63 -0.2812 -0.2812 117 2194.01 -2077.01 -0.2885-0.2885 117 2381.24 -0.3146 -0.3145 -2264.24 117 2391.41 -2274.41 -0.3160 -0.3159 2308.62 -0.3046 -0.3046 116 -2192.62116 2241.35 -2125.35 -0.2952 -0.2952 116 2241.99 -2125.99 -0.2953-0.2953116 2995.06 -2879.06 -0 4007 -0.4006 2383.79 -2267.79 -0.3150 -0.3150 116 115 2060.74 -1945.74 -0.2703-0.2703 -0.2937 -2114.05 -0.2936 2229.05 115 -0.3167 -0.3166 115 2394.67 -2279.67 115 2460.26 -2345.26 -0.3258-0.3258 115 2280.66 -2165.66 -0.3008 -0.3008 114 2293.78 -2179.78 -0.3028-0.3028 -0.2972 114 2253.88 -2139.88 -0.2973114 2473.60 -2359.60 -0.3278 -0.3277 114 2464.26 -2350.26 -0.3265 -0.3265 114 2247.75 -0.2964-0.2964 -2133.75-2114.33 -0.2937 -0.2937 113 2227.33 -0.3028 113 2292.69 -2179.69-0.30281520.80 -1407.80 -0.1957 -0.1957 113 113 2130.83 -2017.83 -0.2803 -0.2803 113 2609.95 -2496.95-0.3469 -0.3469 112 2293.00 -2181.00 -0.3030 -0.3029 112 2428.35 -2316.35 -0.3218-0.3218 112 2207.59 -0.2911-0.2911-2095.59112 2438.15 -2326.15 -0.3231 -0.3231 111 2299.72 -2188.72 -0.3040 -0.3040 -0.2995 -0.2994 111 2266.59 -2155.59 2423.27 -2312.27 -0.3212 -0.3212 111 -2204.42 -0.3062 -0.3062 2315.42 111 110 2042.50 -1932.50 -0.2685 -0.2684 110 2282.07 -2172.07 -0.3018 -0.3017 110 2372.35 -2262.35 -0.3143-0.3142 109 1969.23 -1860.23 -0.2585 -0.2585 108 2450.05 -2342.05 -0.3254-0.3253 108 -2174.98 -0.3021 -0.3021 2282.98 -0.2666 -0.2666 107 2025.65 -1918.65 106 2356.05 -2250.05-0.3126-0.3125 106 2311.62 -2205.62 -0.3064 -0.3064 106 2352.72 -2246.72 -0.3121 -0.3121 2223.51 -2117.51 -0.2942-0.2941 106 106 2537.40 -2431.40 -0.3381 -0.3381 105 2334.76 -2229.76 -0.3097 -0.3097 105 2038.24 -0.2686 -0.2685 -1933.24-0.3209 -0.3209 105 2414.74 -2309.74 105 2333.04 -2228.04 -0.3095-0.3095105 2334 72 -2229 72 -0.3098 -0.3097 104 2259.44 -2155.44 -0.2994 -0.2994 104 2237.09 -2133.09 -0.2963-0.2963 104 1938.25 -1834.25 -0.2548 -0.2548 104 1779.74 -1675.74 -0.2329-0.2328-0.2188 103 1677.52 -1574.52-0.2189103 2253.47 -2150.47 -0.2987 -0.2987

-3525.07

-1818 91

-2312.65

-0.4922

-0.2527

-0.3213

-0.4921

-0.2527

-0.3212

103

103

103

3628.07

1921 91

		I_num_subscribers student		
103	1666.44	-1563.44	-0.2173	-0.2173
103	2295.24	-2192.24	-0.3046	-0.304
102	2481.86	-2379.86	-0.3306	-0.3306
101	2554.71	-2453.71	-0.3409	-0.3408
101	2309.98	-2208.98	-0.3069	-0.306
100	2299.72	-2199.72	-0.3056	-0.305
100	1711.46	-1611.46	-0.2240	-0.224
100	2323.73	-2223.73	-0.3089	-0.308
99	2358.50	-2259.50	-0.3139	-0.313
99	2295.68	-2196.68	-0.3052	-0.305
99	2285.74	-2186.74	-0.3038	-0.303
98	2247.71	-2149.71	-0.2986	-0.298
98	2332.26	-2234.26	-0.3104	-0.310
98				-0.294
	2216.34	-2118.34	-0.2943	
98	2228.19	-2130.19	-0.2959	-0.295
98	1504.46	-1406.46	-0.1955	-0.195
98	2471.59	-2373.59	-0.3297	-0.329
97	1941.65	-1844.65	-0.2563	-0.256
97	2764.77	-2667.77	-0.3708	-0.370
97	1637.57	-1540.57	-0.2142	-0.214
96	1865.75	-1769.75	-0.2459	-0.245
95	2329.72	-2234.72	-0.3104	-0.310
95	2288.06	-2193.06	-0.3046	-0.304
95	2295.24	-2200.24	-0.3057	-0.305
94	2364.04	-2270.04	-0.3154	-0.315
94				
	2038.46	-1944.46	-0.2701	-0.270
94	2007.46	-1913.46	-0.2658	-0.265
93	2429.89	-2336.89	-0.3246	-0.324
92	2027.66	-1935.66	-0.2689	-0.268
92	2316.56	-2224.56	-0.3090	-0.309
92	2174.91	-2082.91	-0.2893	-0.289
92	2129.37	-2037.37	-0.2830	-0.2830
92	2358.32	-2266.32	-0.3148	-0.314
92	2299.72	-2207.72	-0.3067	-0.3066
91	1672.44	-1581.44	-0.2198	-0.2198
91	2260.87	-2169.87	-0.3014	-0.301
91	2325.60	-2234.60	-0.3104	-0.310
91	2358.50	-2267.50	-0.3150	-0.315
91	2280.62		-0.3042	
		-2189.62		-0.304
91	2102.19	-2011.19	-0.2794	-0.279
91	2582.99	-2491.99	-0.3462	-0.346
91	2355.96	-2264.96	-0.3147	-0.314
90	2202.73	-2112.73	-0.2935	-0.293
90	1580.89	-1490.89	-0.2073	-0.207
90	2289.20	-2199.20	-0.3055	-0.305
89	2028.45	-1939.45	-0.2694	-0.2694
89	1794.40	-1705.40	-0.2370	-0.236
89	2118.44	-2029.44	-0.2819	-0.281
89	1914.94	-1825.94	-0.2538	-0.253
89	2426.85	-2337.85	-0.3248	-0.324
88		-1535.37		-0.324
	1623.37		-0.2134	
88	2213.35	-2125.35	-0.2952	-0.295
88	2328.14	-2240.14	-0.3112	-0.311
87	2347.92	-2260.92	-0.3141	-0.314
87	2328.14	-2241.14	-0.3113	-0.311
87	2310.12	-2223.12	-0.3088	-0.308
87	3093.77	-3006.77	-0.4184	-0.418
87	2523.48	-2436.48	-0.3385	-0.338
86	2336.67	-2250.67	-0.3127	-0.312
86	2260.01	-2174.01	-0.3020	-0.302
86	2502.92	-2416.92	-0.3358	-0.335
86	2513.32	-2427.32	-0.3372	-0.337
86	1610.21	-1524.21	-0.2119	-0.211
86	3766.60	-3680.60	-0.5154	-0.515
85	2253.65	-2168.65	-0.3013	-0.3012
85	2133.77	-2048.77	-0.2846	-0.2846
85	2168.33	-2083.33	-0.2894	-0.289
85	1566.68	-1481.68	-0.2060	-0.2059

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 85 2325.60 -2240.60 -0.3113 -0.3112 84 2261.73 -2177.73 -0.3025 -0.3025 84 2362.54 -2278.54 -0.3165 -0.3165 83 -0.3067 -0.3066 2290.35 -2207.35 83 -0.3002 -0.3001 2243 67 -2160 67 83 2153.39 -2070.39 -0.2876 -0.2876 83 2255.38 -2172.38-0.3018 -0.3017 83 2259.37 -2176.37 -0.3023 -0.3023 82 2263.41 -2181.41 -0.3030-0.3030 82 2381.24 -0.3194 -0.3194 -2299.24 82 2526.30 -2444.30 -0.3396 -0.3396 81 -0.3081 2298.86 -2217.86 -0.308181 2416.69 -0.3245 -0.3244 -2335.69 81 2308.40 -2227.40 -0.3094 -0.3094 81 2229.87 -2148.87 -0.2985 -0.2985 81 2259.37 -2178.37 -0.3026 -0.3026 80 2256.01 -2176.01 -0.3023-0.302280 2314.20 -2234 20 -0.3104 -0.3103 80 2254.29 -2174.29 -0.3020 -0.3020 80 2255.38 -2175.38 -0.3022-0.3021 -0.3334 80 2480.04 -2400.04 -0.3334-2278.59 -0.3165 -0.3165 80 2358.59 79 2243.67 -2164.67 -0.3007-0.300779 2174.91 -2095.91 -0.2912 -0.2911 79 2170.87 -2091.87 -0.2906-0.2906 79 -0.3300 -0.3299 2454.09 -2375.09 78 2383.87 -2305.87 -0.3203 -0.3203 78 2345.34 -2267.34 -0.3150 -0.3149 78 2292.69 -0.3077 -0.3076 -2214.6978 -0.3100 -0.3099 2309.26 -2231.26 -0.3035 78 2263.46 -2185.46-0.30362380.19 -2302.19 -0.3198 -0.3198 78 78 2312.44 -2234.44 -0.3104 -0.3104 77 2290.38 -2213.38 -0.3075 -0.3074 77 2274.04 -2197.04 -0.3052 -0.3052 76 2296.14 -2220.14 -0.3084-0.3084 76 2402.03 -2326.03 -0.3231-0.323176 2280.92 -2204.92 -0.3063 -0.3063 75 2275.49 -2200.49 -0.3057 -0.3057 -0.3145 -0.3144 75 2338.76 -2263.7675 2279.48 -2204.48 -0.3063 -0.3062 75 -2287.54 -0.3177 2362.54 -0.3178 74 2263.41 -2189.41 -0.3041 -0.3041 74 2230.51 -2156.51 -0.2996-0.299574 1594.69 -1520.69-0.2114 -0.2114 74 2507.78 -2433.78 -0.3381 -0.3381 74 2282.07 -2208.07 -0.3068 -0.3067 74 2112.76 -0.2832-0.2832 -2038.7673 -0.3039 -0.3039 2260.87 -2187.87 73 2334.76 -2261.76 -0.3142-0.3142 73 2254.29 -2181.29 -0.3030 -0.3030 72 1939.11 -1867.11 -0.2594-0.2594 -0.3075 72 2285.48 -2213.48 -0.3075 72 2441.33 -2369.33 -0.3291 -0.3291 72 2260.28 -2188.28 -0.3040 -0.3039 72 2404.57 -0.3240-0.3240 -2332.57-0.3042 -0.3042 71 2260.87 -2189.87 71 2220.75 -2149.75 -0.2986-0.298671 2282 07 -2211 07 -0.3072 -0.3071 71 2282.07 -2211.07 -0.3072 -0.3071 70 2223.29 -2153.29-0.2991 -0.2991 70 2168.33 -2098.33 -0.2915 -0.2915 70 2237.95 -2167.95 -0.3012-0.3011 70 1557.10 -1487.10-0.2067-0.206769 2350.88 -2281.88 -0.3170 -0.3170 69 2492.67 -2423.67 -0.3367-0.3367

-2173 81

-2346.23

-0.3020

-0.3259

-0.3019

-0.3259

69

68

2242 81

-0.2747

-0.2070

-0.3031

-0.3093

-0.2922

-0.2102

-0.3204

-0.3164

-0.3055

-0.3030

-0.3490

-0.2689

-0.2968

-0.2747

-0.2069

-0.3031

-0.3093

-0.2922

-0.2101

-0.3204

-0.3163

-0.3055

-0.3030

-0.3490

-0.2689

-0.2967

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers | 68 2346.24 -2278.24 -0.3165 -0.3164 68 1643.11 -1575.11 -0.2190 -0.2189 68 2392.91 -2324.91 -0.3230 -0.3229 68 -0.3134 -0.3134 2324.10 -2256.10 67 -0.3014 -0.3013 2236 45 -2169 45 66 2343.66 -2277.66 -0.3164 -0.3164 66 2220.11 -2154.11-0.2992-0.299266 2395.45 -2329.45 -0.3236 -0.3236 66 1563.69 -1497.69-0.2082-0.2082-0.3152 -0.3152 66 2334.94 -2268.94 65 2588.97 -2523.97 -0.3507 -0.3506 65 -0.3206 2373.16 -2308.16-0.320765 -2346.61 -0.3260 -0.3260 2411.61 65 2299.50 -2234.50 -0.3104 -0.3104 65 2312.44 -2247.44 -0.3122-0.3122 64 2263.64 -2199.64 -0.3056 -0.3055 64 2374.21 -2310.21 -0.3209-0.320964 2235.76 -2171.76 -0.3017 -0.3017 63 2223.51 -2160.51 -0.3001 -0.3001 62 2144.54 -2082.54 -0.2893 -0.2893 -0.3084 -0.3084 62 2282.07 -2220.07 -0.2965 -0.2964 62 2196.15 -2134.15 62 2437.93 -2375.93 -0.3301-0.3300 62 2272.54 -2210.54 -0.3071 -0.3070 62 1701.94 -1639.94 -0.2279-0.2279 61 2002.38 -1941.38 -0.2697-0.269761 2390.96 -2329.96 -0.3237 -0.3237 61 2208.71 -2147.71 -0.2983 -0.2983 61 2377.29 -0.3218 -0.3217 -2316.29-0.3000 -0.3000 61 2220.75 -2159.75 -0.2755 -0.2755 61 2044.40 -1983.40-0.3167 -0.3166 61 2340 71 -2279 71 61 2432.85 -2371.85 -0.3295 -0.3295 60 2412.47 -2352.47-0.3268 -0.3268 59 2293.60 -2234.60 -0.3104 -0.3104 59 2329.64 -2270.64 -0.3154-0.3154 59 2314.98 -0.3134-0.3134-2255.9859 2207.81 -2148.81 -0.2985 -0.2985 59 2365.08 -2306.08 -0.3204-0.3203 59 -2071.43 -0.2878 2130.43 -0.287758 2272.90 -2214.90 -0.3077 -0.3077 58 2353.42 -2295.42 -0.3189 -0.3188 58 2202.38 -2144.38 -0.2979 -0.2979 58 1525.88 -1467.88 -0.2041-0.204058 2365.08 -2307.08 -0.3205 -0.3205 57 2386.15 -2329.15 -0.3236 -0.3235 57 2333.08 -2276.08 -0.3162 -0.3161 2250.47 57 -2193.47 -0.3047-0.30472254.52 -0.3053 -0.3052 57 -2197.52 57 2383.87 -2326.87 -0.3232-0.323257 2328.14 -2271.14 -0.3155 -0.3155 57 2286.97 -2229.97 -0.3098 -0.3097 57 -2272.64 -0.3157 -0.3157 2329.64 57 1663.90 -1606.90 -0.2234 -0.2234 57 2061.38 -2004.38 -0.2784 -0.2784

-1977.42

-1488.62

-2181.95

-2226 62

-2103.58

-1511.73

-2306.54

-2277.40

-2199.29

-2181.45

-2511.51

-1935 90

-2136.33

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56

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55

55

2034.42

1545.62

2237.95

2282 62

2159.58

1567.73

2362.54

2332.40

2254.29

2236.45

2566.51

1990 90

num_subscribers	predicted_num_subscribers	·	·	·
54	2223.29	-2169.29	-0.3014	
54 54	2390.37 1616.53	-2336.37 -1562.53	-0.3246 -0.2172	
54	2108.69	-2054.69	-0.2172	
54	1875.69	-1821.69	-0.2531	-0.253
53	2294.06	-2241.06	-0.3113	-0.311
53	2377.20	-2324.20	-0.3229	
53 52	2380.79	-2327.79	-0.3234	
52	2192.11 2202.73	-2140.11 -2150.73	-0.2973 -0.2988	
52	1520.16	-1468.16	-0.2041	
52	2111.86	-2059.86	-0.2861	-0.286
51	2046.54	-1995.54	-0.2772	
51	2323.06	-2272.06	-0.3156	
51 51	2094.96 1974.84	-2043.96 -1923.84	-0.2839 -0.2673	
51	2323.06	-2272.06	-0.3156	
50	1620.83	-1570.83	-0.2184	
50	2401.11	-2351.11	-0.3266	
50	2378.93	-2328.93	-0.3235	
50 50	1958.85 2285.74	-1908.85 -2235.74	-0.2652 -0.3106	
50	2299.28	-2249.28	-0.3125	
50	2383.79	-2333.79	-0.3242	
50	2411.15	-2361.15	-0.3280	
49	2276.62	-2227.62	-0.3094	
49	2306.94	-2257.94	-0.3137	-0.313
49 49	2375.71 2226.51	-2326.71 -2177.51	-0.3232 -0.3025	
49	2244.53	-2177.51	-0.3023	
48	2398.53	-2350.53	-0.3265	
48	2546.27	-2498.27	-0.3471	-0.347
48	2085.16	-2037.16	-0.2830	
47	2241.17	-2194.17	-0.3048	
47 47	1656.87 2323.28	-1609.87 -2276.28	-0.2238 -0.3162	
47	2107.86	-2060.86	-0.2863	
46	2344.38	-2298.38	-0.3193	
46	2032.74	-1986.74	-0.2760	
45	2319.02	-2274.02	-0.3159	
45 45	2033.38 2256.83	-1988.38	-0.2762 -0.3073	
45	2075.86	-2211.83 -2030.86	-0.3073	
45	1952.27	-1907.27	-0.2650	-0.264
45	2461.71	-2416.71	-0.3357	
45	2385.37	-2340.37	-0.3251	
45	2301.82	-2256.82	-0.3135	
45 44	2546.68 2441.83	-2501.68 -2397.83	-0.3476 -0.3331	-0.347 -0.333
44	2374.75	-2330.75	-0.3238	
44	2192.11	-2148.11	-0.2984	
44	2288.65	-2244.65	-0.3118	
44	2201.01	-2157.01	-0.2996	
44	2349.60	-2305.60	-0.3203	
44	2291.77 2295.24	-2247.77 -2251.24	-0.3123 -0.3127	
44	1460.58	-1416.58	-0.1970	
44	2624.61	-2580.61	-0.3586	-0.358
43	2210.13	-2167.13	-0.3011	-0.301
43	2346.93	-2303.93	-0.3201	
43	2646.89	-2603.89	-0.3618	
43	2241.17 2286.34	-2198.17 -2243.34	-0.3054 -0.3116	-0.305 -0.311
43	2456.18	-2413.18	-0.3352	
42	2185.57	-2143.57	-0.2978	
42	2207.59	-2165.59	-0.3008	-0.300
42	2165.15	-2123.15	-0.2949	
12				

-2322.95

-0.3227

-0.3227

42

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers | 2253.65 -2211.65 -0.3072 -0.307242 2324.18 -2282.18 -0.3170 -0.3170 42 1754.92 -1712.92 -0.2380 -0.2380 42 -0.3049 -0.3049 2237.09 -2195.09 42 2333.81 -0.3184 -0.3183 -2291 81 41 2282.07 -2241.07 -0.3113 -0.3113 -2288.64 41 2329.64 -0.3179-0.3179 41 2237.09 -2196.09 -0.3051 -0.3050 41 2172.37 -2131.37 -0.2961-0.296041 -0.3153 -0.3153 2310.63 -2269.63 41 2483.86 -2442.86 -0.3394 -0.3393 41 2368.17 -2327.17-0.3233-0.323341 2318.20 -0.3163 -0.3163 -2277.2040 2282.07 -2242.07 -0.3115 -0.3114 40 2305.86 -0.3148 -0.3147 -2265.8640 2200.37 -2160.37 -0.3001 -0.3001 40 1513.58 -1473.58 -0.2049-0.204840 2196.15 -2156 15 -0 2995 -0 2995 39 2391.95 -2352.95 -0.3269 -0.3268 39 2269.18 -2230.18 -0.3098 -0.3098 -0.2684 -0.2684 39 1971.15 -1932.15 2419.05 -0.3308 -0.3307 38 -2381.05 38 2194.10 -2156.10 -0.2995-0.2995 38 2295.24 -2257.24 -0.3136 -0.3135 38 2372.35 -2334.35 -0.3243 -0.3242-0.3163 38 2314.98 -2276.98 -0.316338 2248.80 -2210.80 -0.3071 -0.3071 38 2424.85 -2386.85 -0.3316 -0.3316 37 2237.95 -2200.95 -0.3057 -0.3057 -0.3198 -0.3197 37 2338.76 -2301.76 37 2435.56 -2398.56-0.3333-0.333237 2172.41 -2135.41 -0.2966 -0.2966 37 2190.83 -2153.83 -0.2992 -0.2992 37 2340.26 -2303.26-0.3200 -0.3199 37 2260.92 -2223.92 -0.3089 -0.3089 37 2321.56 -2284.56 -0.3174-0.3173 36 2349.38 -0.3214-0.3213-2313.3836 2327.18 -2291.18 -0.3183 -0.3182 36 2210.13 -2174.13 -0.3020 -0.3020 36 -0.3172 -0.3171 2319.02 -2283.02 36 2260.58 -2224.58 -0.3090 -0.3090 -0.3021 -0.3021 36 2210.99 -2174.99 36 1566.68 -1530.68 -0.2128 -0.2128 36 1474.09 -1438.09 -0.1999 -0.1999-0.3245 35 2370.62 -2335.62 -0.3244 35 2255.97 -2220.97 -0.3085 -0.3085 35 2361.04 -2326.04 -0.3231 -0.3231 35 -0.3242-0.32422368.94 -2333.94-0.3109 -0.3109 35 2273.17 -2238.17 34 1824.50 -1790.50-0.2488-0.248734 2336.22 -2302.22 -0.3198 -0.3198 34 2275.49 -2241.49 -0.3114 -0.3114 34 2336.22 -2302.22 -0.3198 -0.3198 34 2542.64 -2508.64 -0.3485 -0.3485 33 2220.75 -2187.75 -0.3039 -0.3039 33 2251.11 -0.3081 -0.3081 -2218.11 33 -0.2712 1985.18 -1952.18 -0.2712 33 1962.03 -1929.03 -0.2680-0.267933 2364 04 -2331 04 -0.3238 -0.3238 33 2288.65 -2255.65 -0.3134 -0.3133 33 1945.69 -1912.69-0.2657-0.2657 33 2296.36 -2263.36 -0.3144 -0.3144 33 2164.29 -2131.29 -0.2961 -0.2960-0.3128 -0.3128 33 2284.70 -2251.70 32 1531.42 -1499.42 -0.2084 -0.2084 32 2312.44 -2280.44 -0.3168 -0.3168

-2171.55

-2182.17

-0.3017

-0.3031

-0.3016

-0.3031

32

32

2203.55

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers 32 2072.68 -2040.68 -0.2835 -0.2835 32 2330.98 -2298.98 -0.3194 -0.3193 32 2148.81 -2116.81 -0.2941 -0.2940 32 1961.10 -0.2680 -0.2680 -1929.1032 2295.28 -0.3144 -0.3144 -2263 28 32 2211.89 -2179.89 -0.3028 -0.3028 31 2275.49 -2244.49-0.3118 -0.3118 31 2196.97 -2165.97 -0.3009 -0.3009 31 2255.97 -2224.97 -0.3091 -0.3091 -0.3127 -0.3127 31 2282.07 -2251.07 31 2015.36 -1984.36 -0.2757 -0.2756 31 2288.65 -2257.65 -0.3136-0.3136 31 1657.78 -0.2261 -0.2261 -1626.7831 2337.25 -2306.25 -0.3204 -0.3204 31 2674.72 -0.3674 -0.3673 -2643.7230 2180.67 -2150.67 -0.2988 -0.2987 30 2268.89 -2238.89 -0.3110 -0.3110 30 2312 44 -2282 44 -0.3171 -0.3170 30 2295.24 -2265.24 -0.3147 -0.3147 30 2435.39 -2405.39 -0.3342-0.3341 30 2262.55 -2232.55 -0.3101 -0.3101 -0.3189 -0.3189 30 2325.60 -2295.60 30 2157.70 -2127.70 -0.2956-0.2955 29 2387.83 -2358.83 -0.3277 -0.3277 29 2206.73 -2177.73 -0.3025-0.3025 29 -0.3053 2227.33 -2198.33 -0.305429 2185.53 -2156.53 -0.2996 -0.2995 29 2334.54 -2305.54 -0.3203 -0.3202 29 2369.12 -2340.12 -0.3251 -0.3251 29 -0.2718 -0.2717 1985.21 -1956.21 -0.3004 28 2190.39 -2162.39 -0.300428 2424.77 -0.3330 -0.3329 -2396 77 28 2190.39 -2162.39 -0.3004 -0.3004 28 2214.17 -2186.17-0.3037-0.3037 28 2323.96 -2295.96 -0.3189 -0.3189 28 2303.75 -2275.75 -0.3162 -0.3162 28 2398.45 -2370.45-0.3293-0.329328 2295.24 -2267.24 -0.3150 -0.3149 28 2282.07 -2254.07 -0.3131 -0.3131 28 -0.3040 -0.3040 2216.71 -2188.71 28 2340.26 -2312.26 -0.3212 -0.3212 27 -0.3132 2282.05 -2255.05 -0.3133 27 2323.06 -2296.06 -0.3190 -0.3189 27 2457.71 -2430.71 -0.3378-0.337827 2364.04 -2337.04 -0.3247-0.3246 27 2006.42 -1979.42 -0.2750 -0.2749 27 2584.70 -2557.70 -0.3556 -0.3556 27 -0.3120-0.3120 2273.17 -2246.1727 -0.3153 -0.3153 2296.96 -2269.96 27 2308.40 -2281.40 -0.3169-0.316927 2319.02 -2292.02 -0.3184 -0.3184 27 2288.65 -2261.65 -0.3142-0.3142 26 2322.24 -2296.24 -0.3190 -0.3189 26 2288.65 -2262.65 -0.3143 -0.3143 26 2229.65 -2203.65 -0.3061 -0.3061 26 2170.91 -2144.91 -0.2980 -0.2979 26 -0.3040 -0.3039 2214.17 -2188.17 26 2018.50 -1992.50 -0.2768-0.276826 2005 60 -1979 60 -0.2750 -0.2750 26 1957.99 -1931.99 -0.2684 -0.2684 26 2295.24 -2269.24-0.3152 -0.3152 26 2300.36 -2274.36 -0.3159 -0.3159 25 2330.71 -2305.71 -0.3204-0.320325 2230.55 -2205.55 -0.3064-0.3063 25 2270.03 -2245.03 -0.3119 -0.3118 25 2042.28 -2017.28 -0.2802 -0.2802

-2575 83

-2343.08

-0.3579

-0.3255

-0.3579

-0.3255

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2600.83

	cted_num_subscribers residu			
25	2454.09	-2429.09	-0.3375	-0.337
24	2328.82	-2304.82	-0.3202	-0.320
24	2379.56	-2355.56	-0.3272	-0.327
24	2640.99	-2616.99	-0.3637	-0.363
23	1908.72	-1885.72	-0.2620	-0.261
23	2203.52	-2180.52	-0.3029	-0.302
23	2525.44	-2502.44	-0.3477	-0.347
23	2311.62	-2288.62	-0.3179	-0.317
23	1736.22	-1713.22	-0.2381	-0.238
23	2303.21	-2280.21	-0.3168	-0.316
23	2236.23	-2213.23	-0.3075	-0.307
23	1532.28	-1509.28	-0.2098	-0.209
22	2250.30	-2228.30	-0.3095	-0.309
22	2187.22	-2165.22	-0.3008	-0.300
22	2261.73	-2239.73	-0.3112	-0.311
22	2247.75	-2225.75	-0.3092	-0.309
22	2329.64	-2307.64	-0.3206	-0.320
22	2176.67	-2154.67	-0.2993	-0.299
22	2092.12	-2070.12	-0.2876	-0.287
22	2148.03	-2126.03	-0.2953	-0.295
22	1569.23	-1547.23	-0.2151	-0.215
22	2222.47	-2200.47	-0.3057	-0.305
21	2196.97	-2175.97	-0.3023	-0.302
21	2306.80	-2285.80	-0.3175	-0.317
21	2237.95	-2216.95	-0.3080	-0.307
21	2071.78	-2050.78	-0.2849	-0.284
21	2261.69	-2240.69	-0.3113	-0.311
21	2288.65	-2267.65	-0.3150	-0.315
21	2292.64		,	-0.315
		-2271.64	-0.3156	
21	2367.18	-2346.18	-0.3260	-0.325
21	2350.88	-2329.88	-0.3237	-0.323
21	2289.52	-2268.52	-0.3151	-0.315
21	2323.06	-2302.06	-0.3198	-0.319
21	2147.38	-2126.38	-0.2954	-0.295
21	2168.33	-2147.33	-0.2983	-0.298
20	2227.33	-2207.33	-0.3066	-0.306
20	2211.85	-2191.85	-0.3045	-0.304
20	2305.23	-2285.23	-0.3175	-0.317
20	2196.58	-2176.58	-0.3025	-0.302
20	2284.34	-2264.34	-0.3146	-0.314
20	2282.07	-2262.07	-0.3143	-0.314
20	1746.84	-1726.84	-0.2400	-0.239
19	1566.68	-1547.68	-0.2151	-0.215
19	2237.09			
		-2218.09	-0.3081	-0.308
19	2266.02	-2247.02	-0.3122	-0.312
19	2269.81	-2250.81	-0.3127	-0.312
19	2197.83	-2178.83	-0.3027	-0.302
19	2387.83	-2368.83	-0.3291	-0.329
19	2314.98	-2295.98	-0.3190	-0.318
19	2237.09	-2218.09	-0.3081	-0.308
19	2290.60	-2271.60	-0.3156	-0.315
18	2178.95	-2160.95	-0.3002	-0.300
18	2319.02	-2301.02	-0.3197	-0.319
18	2402.57	-2384.57	-0.3313	-0.331
18	2144.54	-2126.54	-0.2954	-0.295
18	2151.12	-2133.12	-0.2963	-0.296
18	2164.29	-2146.29	-0.2982	-0.298
18	2287.48	-2269.48	-0.3153	-0.315
18	2266.64	-2248.64	-0.3124	-0.312
18	2292.69	-2274.69	-0.3160	-0.316
18	2262.30	-2244.30	-0.3118	-0.311
18	2288.65	-2270.65	-0.3154	-0.315
18	2207.08	-2189.08	-0.3041	-0.304
17	2196.15	-2179.15	-0.3027	-0.302
17	2003.02	-1986.02	-0.2759	-0.275
17	2293.56	-2276.56	-0.3163	-0.316
17	2252.61	-2235.61	-0.3106	-0.310
	2223.93	-2206.93	-0.3066	-0.306

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers | 17 2181.49 -2164.49 -0.3007-0.3006 17 2295.24 -2278.24 -0.3165 -0.3165 17 2144.54 -2127.54 -0.2955 -0.2955 17 2272.31 -0.3133 -0.3133 -2255.31 17 2309.30 -0.3184 -0.3184 -2292 30 17 1881.91 -1864.91 -0.2591 -0.2591 17 1824.50 -1807.50 -0.2511 -0.2511 16 2190.93 -2174.93 -0.3021 -0.3021 16 2259.19 -2243.19 -0.3116-0.3116 -0.3196 -0.3195 16 2316.48 -2300.48 16 2098.70 -2082.70 -0.2893 -0.2893 16 2184.67 -2168.67 -0.3013 -0.3012 16 2288.65 -0.3157 -0.3157 -2272.65 16 2422.23 -2406.23 -0.3343 -0.3342 16 2292.69 -0.3163 -0.3162 -2276.69 16 2084.12 -2068.12 -0.2873 -0.2873 16 2230.55 -2214.55 -0.3076-0.3076 -0.3290 16 2384.38 -2368 38 -0.3290 16 2298.46 -2282.46 -0.3171 -0.3170 15 2183.81 -2168.81 -0.3013 -0.3012 -0.2408 -0.2408 1748.29 -1733.29 15 -0.3138 -0.3138 15 2274.04 -2259.04 15 2110.18 -2095.18 -0.2910 -0.2910 15 2422.23 -2407.23 -0.3344 -0.3344 15 2213.31 -2198.31 -0.3054 -0.3053 15 2300.14 -2285.14 -0.3174-0.317415 1525.70 -1510.70 -0.2100 -0.2100 14 2253.43 -2239.43 -0.3111 -0.3111 14 1989.85 -1975.85 -0.2745 -0.2744 -0.3223 -0.3222 14 2333.68 -2319.68 -0.3088 -0.3088 14 2237.13 -2223.132129.06 -0.2938 -0.2938 14 -2115 06 14 2308.40 -2294.40 -0.3187 -0.3187 14 2185.53 -2171.53 -0.3017-0.3016 14 2174.91 -2160.91 -0.3002 -0.3001 14 2288.63 -2274.63 -0.3160 -0.3160 14 2330.50 -2316.50 -0.3218-0.321814 2216.71 -2202.71 -0.3060 -0.3060 13 2237.13 -2224.13 -0.3090 -0.3089 13 2316.48 -0.3200 -0.3200 -2303.4813 2292.69 -2279.69 -0.3167 -0.3167 -0.3170 13 2295.24 -2282.24 -0.3171 13 2207.59 -2194.59 -0.3049 -0.3048 13 2329.64 -2316.64 -0.3218 -0.3218 13 2292.69 -2279.69-0.3167 -0.3167 13 2445.19 -2432.19 -0.3379 -0.3379 13 1506.14 -1493.14 -0.2076 -0.2076 1876.29 13 -0.2589-0.2588 -1863.29-0.3198 -0.3198 13 2314.98 -2301.98 13 1713.93 -1700.93-0.2364-0.2363 13 2282.07 -2269.07 -0.3152 -0.3152 13 2312.52 -2299.52 -0.3194 -0.3194 2288.65 -2275.65 -0.3161 -0.3161 13 13 2178.95 -2165.95 -0.3009 -0.3008 13 2134.50 -2121.50 -0.2947 -0.2947 13 2011.00 -0.2776 -0.2775 -1998.0013 -0.3185 2305.86 -2292.86 -0.3185 12 2312.44 -2300.44 -0.3196 -0.319512 2135 64 -2123 64 -0.2950 -0.2950 12 2299.28 -2287.28 -0.3178 -0.3177 12 2277.21 -2265.21-0.3147-0.3146 12 2226.47 -2214.47 -0.3076 -0.3076 12 2121.62 -2109.62 -0.2931-0.293012 2223.97 -2211.97 -0.3073-0.307212 2288.65 -2276.65 -0.3163 -0.3162 12 2161.75 -2149.75 -0.2986 -0.2986

-2145 72

-1974.67

-0.2981

-0.2743

-0.2980

-0.2743

12

12

2157 72

-0.3118

-0.3278

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers | 2247.75 -2235.75 -0.3106 -0.3105 12 2266.02 -2254.02 -0.3131 -0.3131 12 2299.28 -2287.28 -0.3178 -0.3177 12 -0.2620 -0.2620 1898.17 -1886.17 12 -1472.72 -0.2047 -0.2047 1484 72 11 2311.62 -2300.62 -0.3196 -0.3196 11 2013.64 -2002.64-0.2782-0.2782 11 2000.47 -1989.47 -0.2764 -0.2763 11 2323.06 -2312.06 -0.3212-0.3212-2294.86 -0.3188 -0.3188 11 2305.86 11 2282.07 -2271.07 -0.3155 -0.3155 11 2206.77 -2195.77-0.3050 -0.3050 11 2258.55 -2247.55 -0.3122 -0.3122 11 2196.15 -2185.15 -0.3035 -0.3035 1931.67 -0.2668 -0.2668 11 -1920.6711 2233.34 -2222.34 -0.3087 -0.3087 11 2508.24 -2497.24 -0.3469-0.346911 2299 28 -2288 28 -0.3179 -0.3179 2253.43 -2242.43 -0.3115 -0.3115 11 11 2357.46 -2346.46 -0.3260 -0.3259 -0.3140 2271.45 -2260.45 -0.3140 11 -0.3427 -0.3427 11 2477.87 -2466.87 11 2282.07 -2271.07 -0.3155 -0.3155 11 1674.07 -1663.07 -0.2311 -0.2311 11 2252.78 -2241.78 -0.3115 -0.3114 -0.2200 11 1593.65 -1582.65 -0 2200 11 2206.77 -2195.77 -0.3050 -0.3050 11 2378.70 -2367.70 -0.3289 -0.3289 10 2209.31 -2199.31 -0.3055 -0.3055 10 -2217.33 -0.3080 -0.3080 2227.33 -0.3131 -0.3131 10 2264.05 -2254.052241.17 -2231.17 -0.3099 -0.3099 10 10 2272.33 -2262.33 -0.3143 -0.3143 10 2316.48 -2306.48 -0.3204 -0.3204 10 2020.22 -2010.22 -0.2793 -0.2792 10 2219.93 -2209.93 -0.3070 -0.3069 10 2215.89 -2205.89 -0.3064-0.3064 10 2282.07 -2272.07 -0.3156 -0.3156 10 2241.99 -2231.99 -0.3101 -0.3100 10 1865.49 -1855.49 -0.2578 -0.2578 10 2430.31 -2420.31 -0.3362 -0.3362 10 2299.28 -2289.28 -0.3180 -0.3180 10 2144.54 -2134.54 -0.2965 -0.2965 10 1915.33 -1905.33 -0.2647-0.264710 2268.31 -2258.31 -0.3137-0.3137 9 2223.97 -2214.97 -0.3077 -0.3076 9 2270.63 -2261.63 -0.3142 -0.3141 9 -0.3133-0.3132 2264.05 -2255.059 -0.2815 2035.74 -2026.74 -0.2815 9 2334.54 -2325.54-0.3231-0.3230 9 2413.11 -2404.11 -0.3340 -0.3339 9 2235.41 -2226.41 -0.3093 -0.3092 2259.15 -2250.15 -0.3126 -0.3126 9 9 2093.81 -2084.81 -0.2896 -0.2896 9 2292.69 -2283.69 -0.3173 -0.3172 9 2231.54 -0.3088 -0.3087 -2222.549 -0.2744 -0.2743 1984.13 -1975.13 9 2319.88 -2310.88 -0.3210 -0.3210 9 2152 82 -2143 82 -0.2978 -0.2978 9 2285.49 -2276.49 -0.3163 -0.3162 9 2275.49 -2266.49-0.3149-0.3148 9 2357.46 -2348.46 -0.3263 -0.3262 9 2289.52 -2280.52 -0.3168-0.3168 8 2151.12 -2143.12-0.2977-0.29778 2190.39 -2182.39 -0.3032 -0.3031 8 2034.88 -2026.88 -0.2816 -0.2815 8 -0.3118

-2244 57

-2360.08

-0.3279

2252 57

2368.08

8

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers | 8 2137.96 -2129.96 -0.2959 -0.2958 8 2282.07 -2274.07 -0.3159 -0.3159 8 2292.69 -2284.69 -0.3174 -0.3174 -0.3142 8 2269.77 -2261.77 -0.31428 -0.3182 -0.3181 2298 46 -2290 46 8 2161.83 -2153.83 -0.2992-0.2992 8 2195.37 -2187.37-0.3039-0.3038 8 1467.51 -1459.51 -0.2029 -0.2029 8 1852.32 -1844.32 -0.2562-0.2562-0.2968 2144.54 -0.2968 8 -2136.54 8 2185.53 -2177.53 -0.3025 -0.3024 R 2221 58 -2213.58 -0.3075 -0.30758 2282.07 -2274.07 -0.3159 -0.3159 7 2242.81 -2235.81 -0.3106 -0.3106 7 2316.48 -0.3208 -0.3208 -2309.487 2223.97 -2216.97 -0.3080 -0.3079 7 2206.77 -2199.77 -0.3056 -0.3055 7 2036.52 -2029.52 -0 2819 -0 2819 -2154.75 -0.2993 -0.2993 2161.75 7 2345.16 -2338.16 -0.3248 -0.3248 7 -0.2960 2137.96 -2130.96 -0.2960 7 -0.3129 -0.3129 2259.44 -2252.44 7 2258.38 -2251.38 -0.3127-0.31272294.42 -2287.42 -0.3178 -0.3177 7 2264.05 -2257.05 -0.3135 -0.3135 7 2268.89 -2261.89 -0.3142-0.31427 1731.26 -1724.26 -0.2397 -0.2396 7 2209.31 -2202.31 -0.3059 -0.3059 7 2252.57 -2245.57 -0.3120 -0.3119 -0.3129 -0.3128 2259.15 -2252.15 7 2213.31 -2206.31 -0.3065-0.3065 7 -2263 63 -0.3145 -0.3144 2270 63 7 2288.65 -2281.65 -0.3170 -0.3169 7 2329.64 -2322.64-0.3227-0.3226 2295.24 -2288.24 -0.3179 -0.3178 7 2250.30 -2243.30 -0.3116 -0.3116 7 2253.47 -2246.47-0.3121-0.3120 6 2219.93 -2213.93 -0.3075 -0.3075 6 2219.93 -2213.93 -0.3075 -0.3075 6 -0.3057 -0.3057 2206.77 -2200.776 2275.49 -2269.49 -0.3153 -0.3152 2299.28 -2293.28 -0.3186 -0.3185 6 6 2206.77 -2200.77 -0.3057 -0.3057 6 2317.38 -2311.38 -0.3211 -0.3210 6 2235.41 -2229.41 -0.3097 -0.3097 6 2260.01 -2254.01 -0.3131 -0.3131 6 1450.31 -1444.31 -0.2008 -0.2008 -1495.92 -0.2080 -0.2079 6 1501.92 6 -0.3297 -0.3297 2379.56 -2373.56 6 2195.29 -2189.29 -0.3041-0.3041 6 2151.12 -2145.12 -0.2980 -0.2980 6 2227.33 -2221.33 -0.3086 -0.3085 2206.73 -2200.73 -0.3057 -0.3057 6 6 2327.10 -2321.10 -0.3224 -0.3224 6 2305.86 -2299.86 -0.3195 -0.3195 5 2065.24 -2060.24 -0.2862 -0.2862 -0.2997 -0.2997 5 2162.61 -2157.61 5 2270.63 -2265.63 -0.3147 -0.31475 2144 54 -2139 54 -0.2972 -0.2972 5 2063.48 -2058.48 -0.2860 -0.2859 5 2206.77 -2201.77 -0.3059 -0.3058 5 2267.74 -2262.74 -0.3143 -0.3143 5 2293.56 -2288.56 -0.3179 -0.3179 2316.52 -2311.52 -0.3211-0.32115 5 2344.30 -2339.30 -0.3250 -0.3249 5 2201.01 -2196.01 -0.3051 -0.3050

-2300.86

-2269.89

-0.3196

-0.3153

-0.3196

-0.3153

5

5

2305 86

ım_subscribers	predicted_num_subscribers			rstudent_num_subscribe
5	2264.52	-2259.52	-0.3144	-0.31
5	2309.90	-2304.90	-0.3202	-0.32
5	2390.23	-2385.23	-0.3314	-0.33
5	1470.05	-1465.05	-0.2037	-0.20
5	2275.58 2323.06	-2270.58 -2318.06	-0.3154 -0.3220	-0.31 -0.32
5	2057.76	-2052.76	-0.3220	-0.28
5	2115.04	-2110.04	-0.2931	-0.29
5	2214.17	-2209.17	-0.3069	-0.30
5	1702.45	-1697.45	-0.2359	-0.23
5	2323.06	-2318.06	-0.3220	-0.32
5	2338.62	-2333.62	-0.3242	-0.32
5	2277.21	-2272.21	-0.3157	-0.31
5	2380.43 1484.72	-2375.43 -1479.72	-0.3300 -0.2057	-0.33 -0.20
5 4	2241.17	-1479.72	-0.2057	-0.20
4	2128.79	-2124.79	-0.3100	-0.29
4	2190.39	-2186.39	-0.3037	-0.30
4	2023.35	-2019.35	-0.2805	-0.28
4	2155.16	-2151.16	-0.2988	-0.29
4	2246.85	-2242.85	-0.3116	-0.31
4	2275.49	-2271.49	-0.3156	-0.31
4	2206.77	-2202.77	-0.3060	-0.30
4	2000.43	-1996.43	-0.2773	-0.27
4	2264.60	-2260.60	-0.3140	-0.31
4	2268.89	-2264.89	-0.3146	-0.31
4	2278.61 1463.47	-2274.61 -1459.47	-0.3160 -0.2029	-0.31 -0.20
4	2258.38	-1459.47	-0.2029	-0.20
4	2195.29	-2191.29	-0.3044	-0.30
4	2100.42	-2096.42	-0.2912	-0.29
4	1474.09	-1470.09	-0.2044	-0.20
4	2282.07	-2278.07	-0.3165	-0.31
4	2481.91	-2477.91	-0.3443	-0.34
4	2252.57	-2248.57	-0.3124	-0.31
4	1966.07	-1962.07	-0.2726	-0.27
4	2115.04	-2111.04	-0.2933	-0.29
4	2282.07	-2278.07 -2357.50	-0.3165 -0.3275	-0.3 <sup>2</sup>
4	2361.50 1714.92	-1710.92	-0.3273	-0.23
4	2160.88	-2156.88	-0.2996	-0.29
3	2292.78	-2289.78	-0.3181	-0.3
3	2213.35	-2210.35	-0.3070	-0.30
3	2201.01	-2198.01	-0.3053	-0.30
3	2236.52	-2233.52	-0.3103	-0.3
3	2282.07	-2279.07	-0.3166	-0.31
3	2327.10	-2324.10	-0.3229	-0.32
3	2275.49	-2272.49	-0.3157	-0.3
3	1983.27	-1980.27 -2203.77	-0.2751	-0.27
3	2206.77 2275.49	-2203.77 -2272.49	-0.3061 -0.3157	-0.30 -0.3
3	2260.85	-2257.85	-0.3137	-0.3
3	2115.04	-2112.04	-0.2934	-0.29
3	2286.97	-2283.97	-0.3173	-0.3
3	2378.70	-2375.70	-0.3300	-0.33
3	2138.87	-2135.87	-0.2967	-0.29
3	2346.84	-2343.84	-0.3256	-0.32
3	2299.28	-2296.28	-0.3190	-0.3
3	2264.91	-2261.91	-0.3142	-0.3
3	1449.71	-1446.71	-0.2011	-0.20
3	2275.49	-2272.49	-0.3157	-0.3
3	2252.57 2246.85	-2249.57 -2243.85	-0.3125 -0.3117	-0.3° -0.3°
3	1564.92	-2243.85 -1561.92	-0.3117	-0.3 -0.21
3	2292.69	-2289.69	-0.2171	-0.2
3	2260.58	-2257.58	-0.3136	-0.31
3	2487.68	-2484.68	-0.3452	-0.34
2	2109.32	-2107.32	-0.2927	-0.29

		I_num_subscribers student		
2	2040.56	-2038.56	-0.2832	-0.2832
2	2361.50	-2359.50	-0.3278	-0.327
2	2275.49	-2273.49	-0.3158	-0.315
2	2086.48	-2084.48	-0.2896	-0.289
2	2258.33	-2256.33	-0.3134	-0.313
2	2201.01	-2199.01	-0.3055	-0.305
2	2097.88	-2095.88	-0.2911	-0.291
2	2259.15	-2257.15	-0.3136	-0.313
2	2332.86	-2330.86	-0.3238	-0.323
2	2282.07	-2280.07	-0.3168	-0.316
2	2161.75	-2159.75	-0.3000	-0.300
2	2260.58	-2258.58	-0.3138	-0.313
				-0.313
2	2261.16	-2259.16	-0.3139	
2	2155.16	-2153.16	-0.2991	-0.299
2	2304.18	-2302.18	-0.3198	-0.319
2	2309.90	-2307.90	-0.3206	-0.320
2	1456.89	-1454.89	-0.2023	-0.202
2	2253.43	-2251.43	-0.3128	-0.312
2	2275.49	-2273.49	-0.3158	-0.315
2	2267.17	-2265.17	-0.3147	-0.314
2	2052.08	-2050.08	-0.2848	-0.284
2	2230.55	-2228.55	-0.3096	-0.309
2	2172.37	-2170.37	-0.3015	-0.301
2	2327.10	-2325.10	-0.3230	-0.323
2	2183.81	-2181.81	-0.3031	-0.303
2	3256.04	-3254.04	-0.4536	-0.453
1	2201.01	-2200.01	-0.3056	-0.305
1	2275.49	-2274.49	-0.3160	-0.315
1	2384.38	-2383.38	-0.3311	-0.331
1	2240.53	-2239.53	-0.3111	-0.311
1	2333.68	-2332.68	-0.3241	-0.3240
1	1737.67	-1736.67	-0.2413	-0.2413
1	2092.12	-2091.12	-0.2905	
				-0.290
1	1737.67	-1736.67	-0.2413	-0.2413
1	2104.72	-2103.72	-0.2922	-0.2922
1	1456.89	-1455.89	-0.2024	-0.2024
1	2260.58	-2259.58	-0.3139	-0.3139
1	2275.49	-2274.49	-0.3160	-0.315
1	2137.96	-2136.96	-0.2969	-0.296
1	2315.66	-2314.66	-0.3215	-0.321
1	2262.88	-2261.88	-0.3142	-0.314
1	2356.64	-2355.64	-0.3272	-0.327
1	2281.25	-2280.25	-0.3168	-0.316
	2263.45			
1		-2262.45	-0.3143	-0.314
1	2258.42	-2257.42	-0.3136	-0.3136
1	2275.49	-2274.49	-0.3160	-0.315
1	2292.69	-2291.69	-0.3184	-0.318
1	2275.49	-2274.49	-0.3160	-0.315
1	2361.50	-2360.50	-0.3279	-0.327
1	2361.50	-2360.50	-0.3279	-0.327
1	2268.89	-2267.89	-0.3151	-0.315
1	2282.07	-2281.07	-0.3169	-0.316
1	2282.07	-2281.07	-0.3169	-0.316
1	2299.28	-2298.28	-0.3193	-0.319
1	2241.68	-2240.68	-0.3113	-0.311
1	2275.49	-2274.49	-0.3160	-0.315
1	2229.65	-2228.65	-0.3096	-0.309
1	2350.06	-2349.06	-0.3263	-0.326
1	1435.40	-1434.40	-0.1994	-0.199
1	2121.91	-2120.91	-0.2946	-0.294
1	2499.12	-2498.12	-0.3471	-0.347
1	2172.37	-2171.37	-0.3016	-0.301
1	1501.92	-1500.92	-0.2087	-0.208
1	2172.37	-2171.37	-0.3016	-0.208
1	2309.90	-2308.90	-0.3208	-0.320
1	2281.25	-2280.25	-0.3168	-0.316
1	1903.03	-1902.03	-0.2642	-0.2642
1	2267.17	-2266.17	-0.3148	-0.3148

### **Regression Analysis Predictions** num\_subscribers | predicted\_num\_subscribers | residual\_num\_subscribers | student\_num\_subscribers | retudent\_num\_subscribers | 2268.31 -2267.31 -0.3150 -0.3149 1 2270.72 -2269.72 -0.3153 -0.3153 2344.30 -2343.30 -0.3255 -0.3255 1 -0.4537 -0.4537 1 3256.04 -3255.04 -2274.49 -0.3160 -0.3159 1 2275 49 1 2344.30 -2343.30 -0.3255-0.3255 -2154.16 1 2155.16 -0.2992-0.2992 0 2258.86 -2258.86 -0.3138 -0.3138 0 2261.16 -2261.16 -0.3141 -0.3141 -0.2970 2137.96 -2137.96 -0.2970 0 0 1755.16 -1755.16 -0.2439 -0.2438 Λ 2260.01 -2260.01 -0.3140 -0.3139 0 2286.97 -2286.97 -0.3177 -0.3177 0 2292.69 -2292.69 -0.3185 -0.3185 0 1781.52 -0.2475 -0.2475 -1781.520 2259.44 -2259.44 -0.3139 -0.3139 0 2190.10 -2190.10 -0.3042-0.30420 2327 10 -2327 10 -0.3233 -0.3232 0 2260.58 -2260.58 -0.3140 -0.3140 0 2262.30 -2262.30 -0.3143 -0.3142 -0.3097 0 2229.65 -2229.65 -0.30970 -0.3142 -0.3142 2261.73 -2261.73 0 2262.30 -2262.30 -0.3143 -0.3142 0 2292.69 -2292.69 -0.3185 -0.3185 0 1713.93 -1713.93 -0.2382 -0.2381 0 2275.49 -2275.49-0.3161-0.3161 0 2275.49 -2275.49 -0.3161 -0.3161 0 2238.24 -2238.24 -0.3109 -0.3109 0 2361.50 -2361.50 -0.3281 -0.3280 0 -2235.41 -0.3105 -0.3105 2235.41 0 2262.30 -2262.30 -0.3143 -0.31422424.59 -2424.59 -0.3368 -0.3368 0 0 2275.49 -2275.49 -0.3161 -0.3161 0 2309.90 -2309.90 -0.3209 -0.3209 0 2275.49 -2275.49 -0.3161 -0.3161 0 2275.49 -2275.49 -0.3161 -0.3161 -2197.55 0 2197.55 -0.3053-0.30520 1931.67 -1931.67 -0.2684 -0.2683 0 2155.16 -2155.16 -0.2994-0.2993 0 -0.3249 -0.3248 2338.62 -2338.62 0 2327.10 -2327.10 -0.3233 -0.3232 -2172.37 -0.3017 0 2172.37 -0.3018 0 2172.37 -2172.37 -0.3018 -0.3017 0 2172.37 -2172.37 -0.3018 -0.3017 0 2262.30 -2262.30 -0.3143-0.3142 0 1908.75 -1908.75 -0.2652 -0.2651 0 2262.88 -2262.88 -0.3144 -0.3143 1908.75 -0.2652 0 -0.2651 -1908.750 -0.2948 -0.2947 2121.91 -2121.91 0 2172.37 -2172.37-0.3018-0.30170 2262.30 -2262.30 -0.3143 -0.3142 0 2258.86 -2258.86 -0.3138 -0.3138 2252.57 -2252.57 -0.3129-0.3129 0 0 2259.44 -2259.44 -0.3139 -0.3139 0 2252.57 -2252.57 -0.3129 -0.3129 0 1994.75 -1994.75 -0.2771 -0.2771 0 2074.96 -2074.96 -0.2882-0.2882 0 1899.00 -1899.00 -0.2638-0.26380 1484 72 -1484 72 -0.2064 -0.2064 0 1925.95 -1925.95 -0.2676 -0.2675 0 1633.68 -1633.68-0.2270-0.2270 0 2275.49 -2275.49 -0.3161 -0.3161 0 2241.09 -2241.09 -0.3113-0.3113 0 2292.69 -2292.69 -0.3185-0.3185 0 2327.10 -2327.10 -0.3233 -0.3232 0 2172.37 -2172.37 -0.3018 -0.3017

-2361.50

-2218.21

-0.3281

-0.3081

-0.3280

-0.3081

0

0

2361 50

num_subscribers	predicted_num_subscribers	residual_num_subscribers	student_num_subscribers	rstudent_num_subscribers
0	2074.96	-2074.96	-0.2882	-0.2882
0	1954.59	-1954.59	-0.2715	-0.2715
0	2172.37	-2172.37	-0.3018	-0.3017
0	2155.16	-2155.16	-0.2994	-0.2993