The REG Procedure
Model: MODEL1
Dependent Variable: new_case_rate_percent

Number of Observations Read	539
Number of Observations Used	539

Analysis of Variance

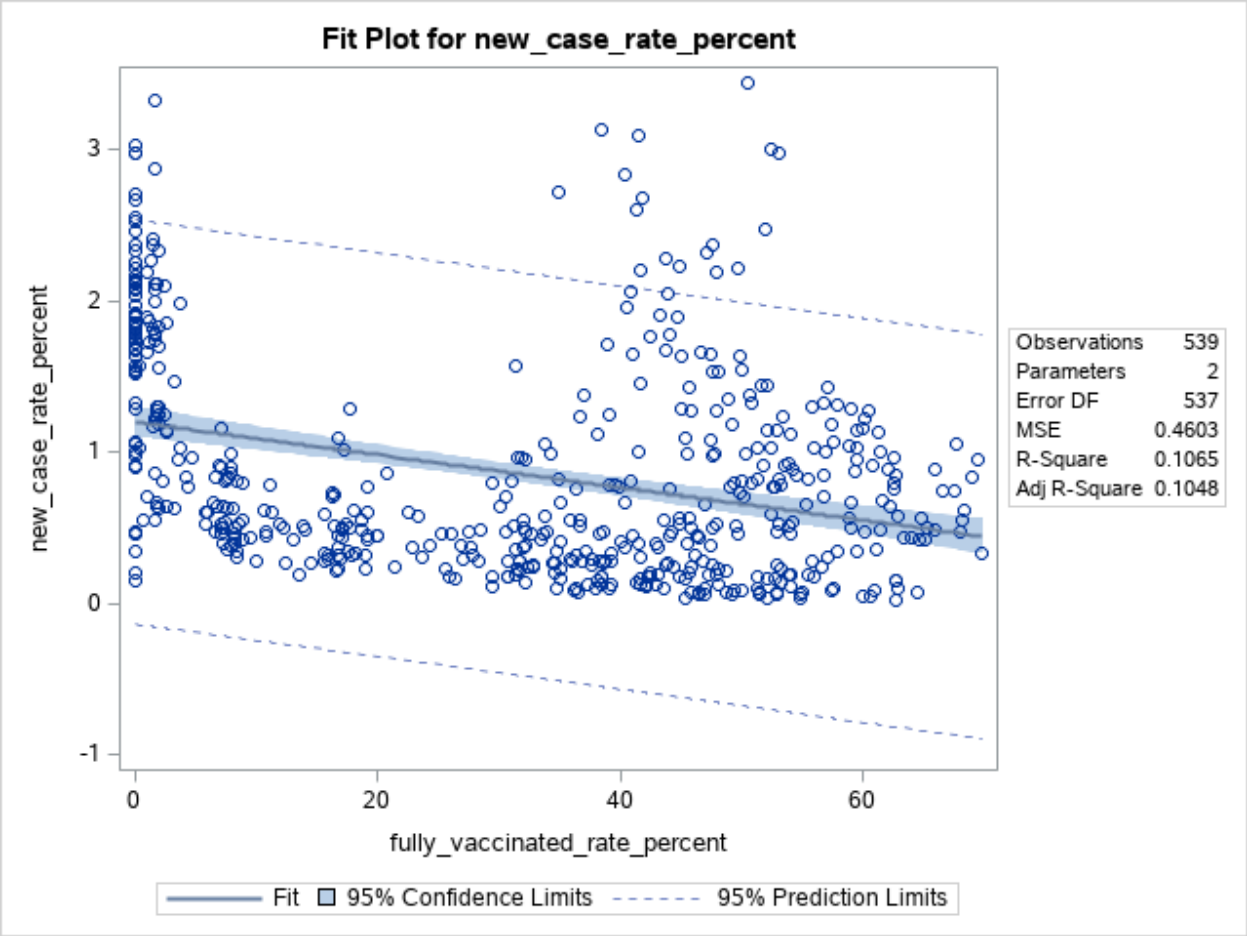
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	29.46565	29.46565	64.02	<.0001
Error	537	247.17463	0.46029		
Corrected Total	538	276.64028			

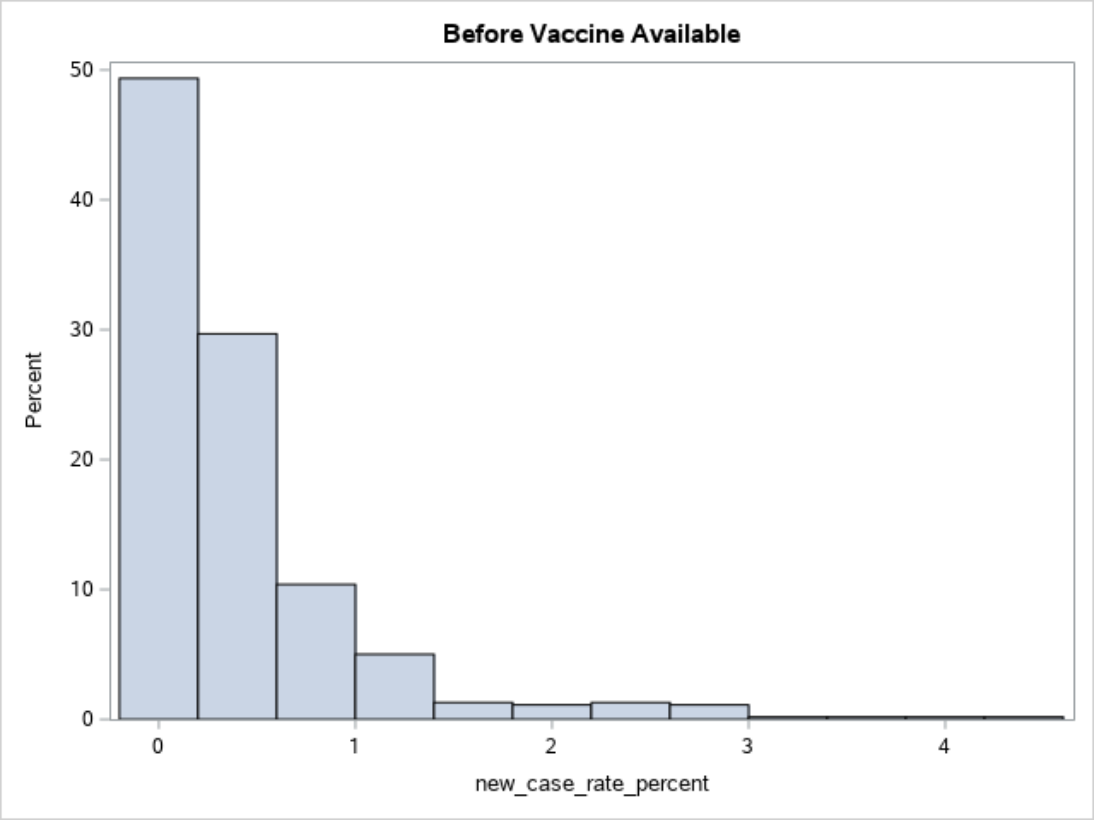
Root MSE	0.67845	**R-Square**	0.1065
Dependent Mean	0.86465	**Adj R-Sq**	0.1048
Coeff Var	78.46428		

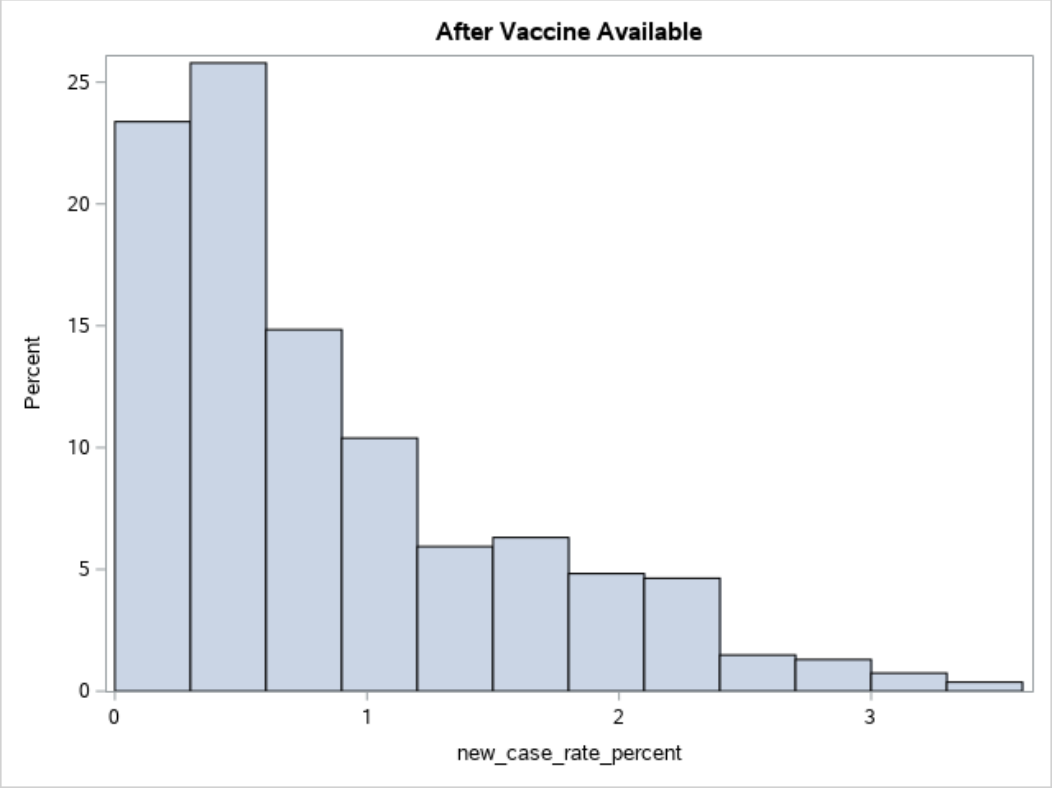
Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	1.19949	0.05104	23.50	<.0001
fully_vaccinated_rate_percent	1	-0.01083	0.00135	-8.00	<.0001

The REG Procedure
Model: MODEL1
Dependent Variable: new_case_rate_percent




Before Vaccine Available
Percent
50
40
30
20
10
0
0
1
2
3
4
new_case_rate_percent


After Vaccine Available
Percent
25
20
15
10
5
0
0
1
2
3
new_case_rate_percent

The MEANS Procedure

indicator	N Obs	Variable	N	Mean	Median	Std Dev	Minimum	Maximum
≥ 50% vaccination rate	14	new_case_rate_percent	14	1.0515463	0.6900666	0.6867853	0.3799468	2.2169753
		new_death_rate_percent	14	0.0193878	0.0156363	0.0108914	0.0062135	0.0411994
< 50% vaccination rate	35	new_case_rate_percent	35	0.8529502	0.8400238	0.4604348	0.3276257	3.0001732
		new_death_rate_percent	35	0.0098941	0.0093434	0.0047337	0.0028808	0.0195296

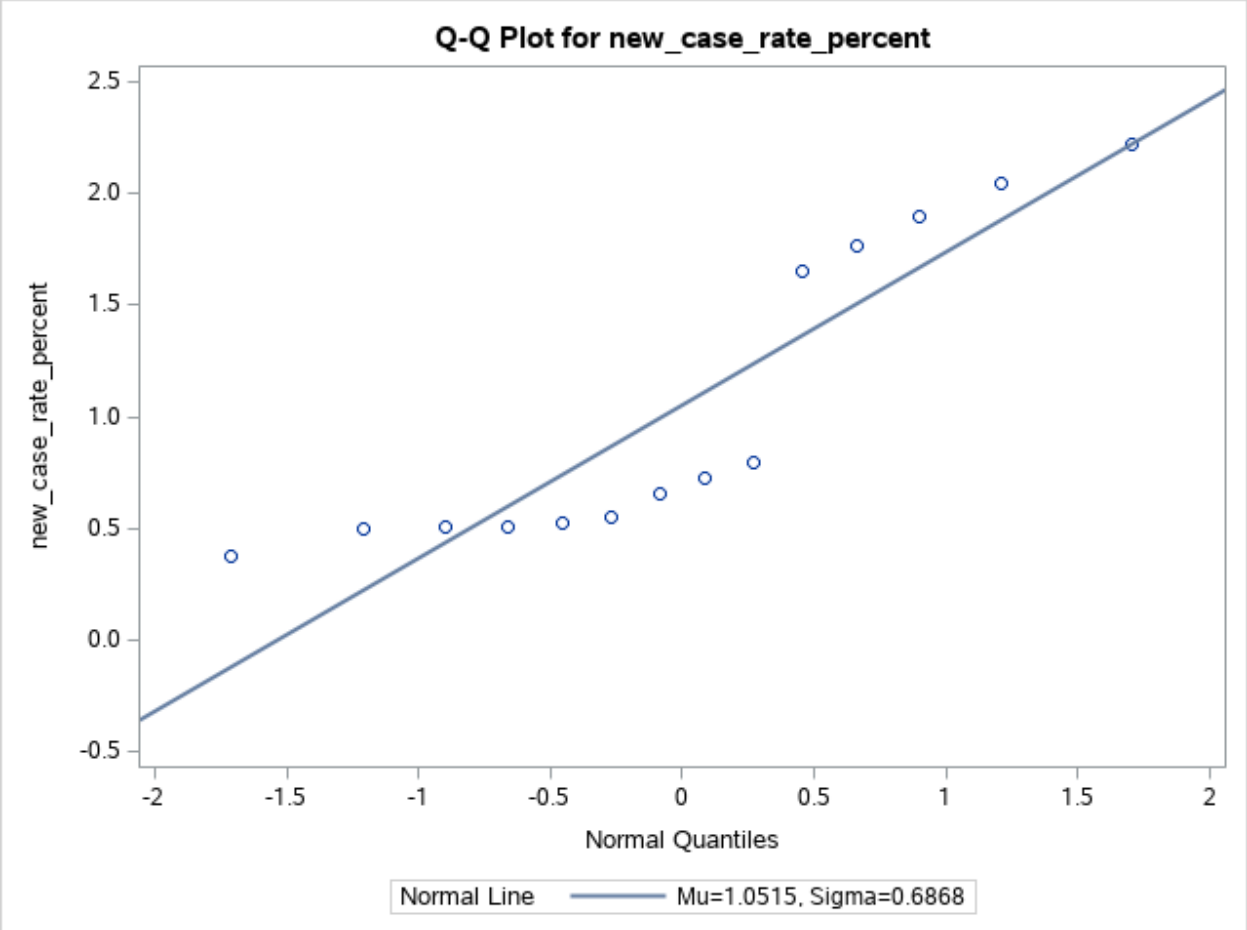
The UNIVARIATE Procedure
Variable: new_case_rate_percent
indicator=≥ 50% vaccination rate

Moments			
N	14	Sum Weights	14
Mean	1.05154626	Sum Observations	14.7216476
Std Deviation	0.68678533	Variance	0.4716741
Skewness	0.71149645	Kurtosis	-1.4381054
Uncorrected SS	21.6122567	Corrected SS	6.13176325
Coeff Variation	65.3119471	Std Error Mean	0.1835511

Basic Statistical Measures			
Location		Variability	
Mean	1.051546	Std Deviation	0.68679
Median	0.690067	Variance	0.47167

Tests for Normality				
Test	**Statistic**		**p Value**	
Shapiro-Wilk	**W**	0.792704	**Pr < W**	0.0041
Kolmogorov-Smirnov	**D**	0.288733	**Pr > D**	<0.0100
Cramer-von Mises	**W-Sq**	0.249011	**Pr > W-Sq**	<0.0050
Anderson-Darling	**A-Sq**	1.333107	**Pr > A-Sq**	<0.0050

The UNIVARIATE Procedure
indicator=≥ 50% vaccination rate



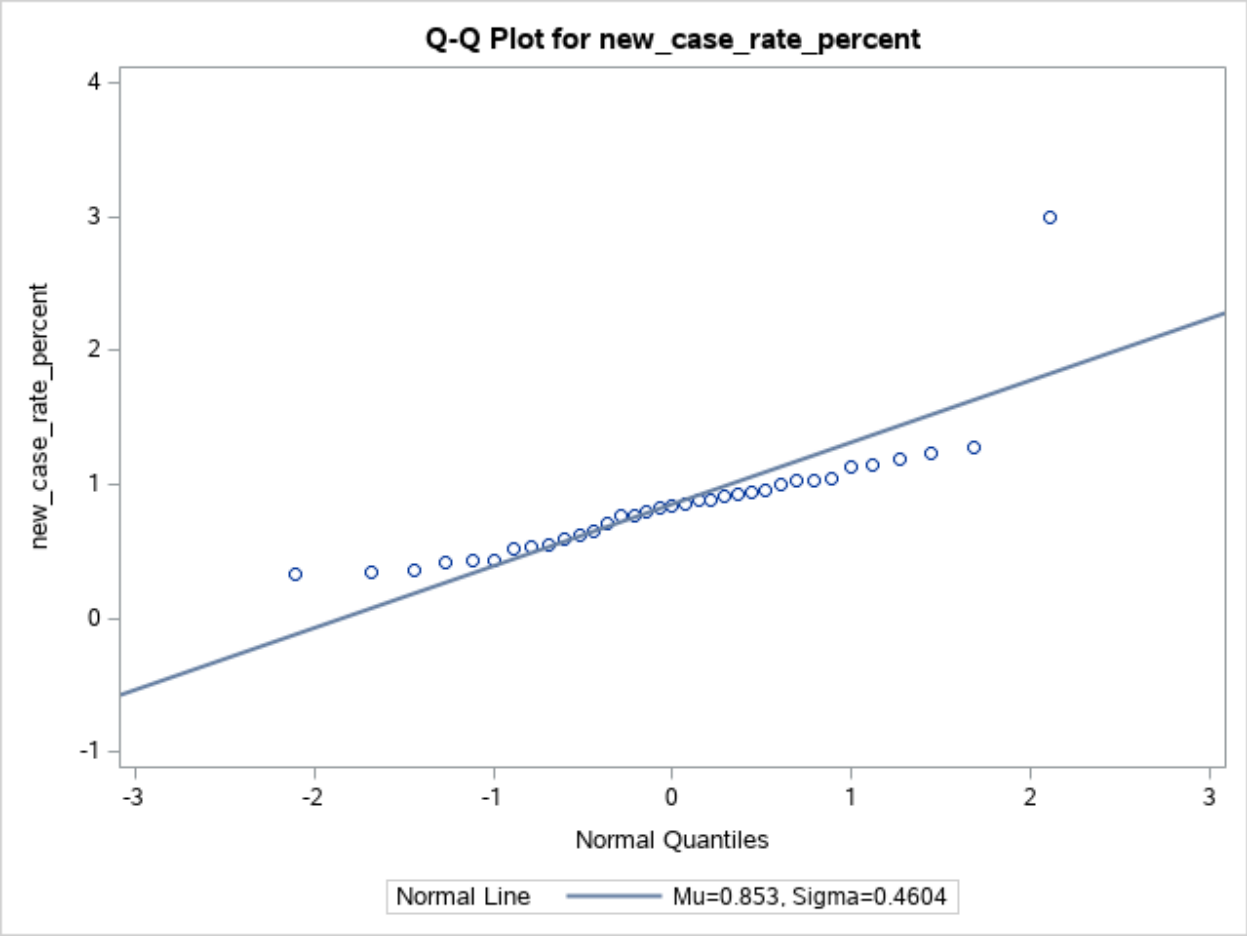
The UNIVARIATE Procedure

Variable: new_case_rate_percent
indicator=< 50% vaccination rate

Moments			
N	35	Sum Weights	35
Mean	0.85295015	Sum Observations	29.8532553
Std Deviation	0.4604348	Variance	0.2120002
Skewness	2.99151696	Kurtosis	13.6499645
Uncorrected SS	32.6713456	Corrected SS	7.20800694
Coeff Variation	53.9814429	Std Error Mean	0.07782769

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.728165	Pr < W	<0.0001
Kolmogorov-Smirnov	D	0.169038	Pr > D	0.0123
Cramer-von Mises	W-Sq	0.231043	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	1.749596	Pr > A-Sq	<0.0050

The UNIVARIATE Procedure
indicator=< 50% vaccination rate



The NPAR1WAY Procedure

Wilcoxon Scores (Rank Sums) for Variable new_case_rate_percent Classified by Variable indicator

indicator	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
≥ 50% vaccination rate	14	354.0	350.0	45.184806	25.285714
< 50% vaccination rate	35	871.0	875.0	45.184806	24.885714

Wilcoxon Two-Sample Test							
				t Approximation		Exact	
Statistic (S)	Z	Pr > Z	Pr > |Z|	Pr > Z	Pr > |Z|	Pr >= S	Pr >= |S-Mean|
Z includes a continuity correction of 0.5.							
354.0000	0.0775	0.4691	0.9383	0.4693	0.9386	0.4695	0.9390