The REG Procedure Model: MODEL1

Dependent Variable: new_case_rate_percent New Case Rate (%)

Number of Observations Read	441
Number of Observations Used	441

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	1.96008	1.96008	5.97	0.0150
Error	439	144.20192	0.32848		
Corrected Total	440	146.16201			

Root MSE	0.57313	R-Square	0.0134
Dependent Mean	0.66488	Adj R-Sq	0.0112
Coeff Var	86.20010		

Parameter Estimates

Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	Intercept	1	0.52591	0.06310	8.33	<.0001
fully_vaccinated_rate_percent	Fully Vaccinated Rate (%)	1	0.00370	0.00151	2.44	0.0150

The REG Procedure Model: MODEL1

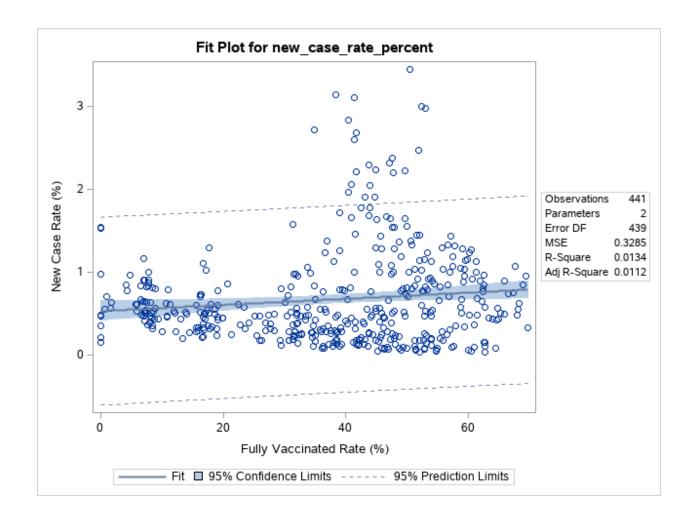
Dependent Variable: new_death_rate_percent New Death Rate (%)

Number of Observations Read	441
Number of Observations Used	441

Analysis of Variance									
Source	DF		Sum of Squares		Mean Square	F Value	Pr > F		
Model	1	0.000	61401	0.00061401		0.00061401		10.47	0.0013
Error	439	0.0	02575	0.00005865					
Corrected Total	440	0.0	02636						
Root MSE	0.	00766	R-Sq	uare	0.0233				
Dependent Mear	0.	00816	Adj R-Sq		0.0211				
Coeff Var	93.	83492							

Parameter Estimates									
Variable Label DF Parameter Standard Error t Value Pr >									
Intercept	Intercept	1	0.01062	0.00084313	12.60	<.0001			
fully_vaccinated_rate_percent	Fully Vaccinated Rate (%)	1	-0.00006542	0.00002022	-3.24	0.0013			

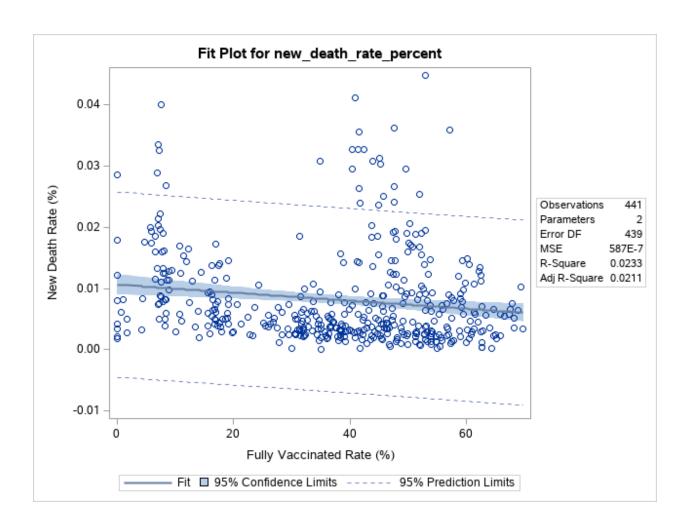
The REG Procedure
Model: MODEL1
Dependent Variable: new_case_rate_percent New Case Rate (%)



The REG Procedure

Model: MODEL1

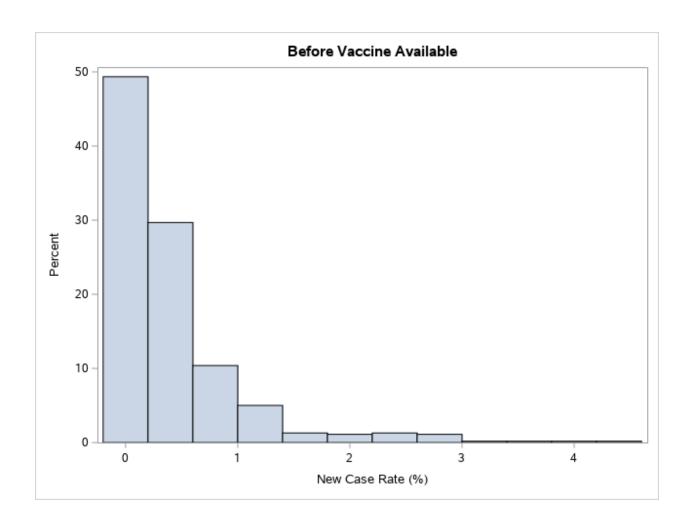
Dependent Variable: new_death_rate_percent New Death Rate (%)

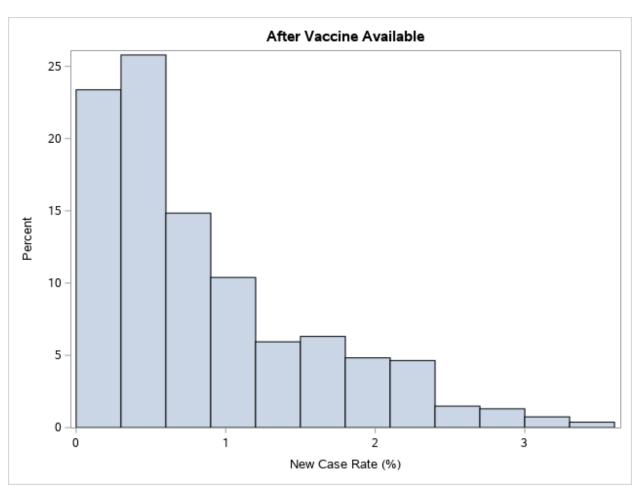


	The MEANS Procedure							
month	N Obs	Variable	Label	N	Mean	Std Dev		
20-01	49	new_case_rate_percent	New Case Rate (%)	49	4.6796232E-6	0.000025691		
		new_death_rate_percent	New Death Rate (%)	49	0	0		
20-02	49	new_case_rate_percent	New Case Rate (%)	49	0.000051203	0.000200143		
		new_death_rate_percent	New Death Rate (%)	49	7.7428289E-7	3.4180466E-6		
20-03	49	new_case_rate_percent	New Case Rate (%)	49	0.0430506	0.0436509		
		new_death_rate_percent	New Death Rate (%)	49	0.0010174	0.0012885		
20-04	49	new_case_rate_percent	New Case Rate (%)	49	0.2192816	0.2206704		
		new_death_rate_percent	New Death Rate (%)	49	0.0120132	0.0161207		

month	N Obs	Variable	Label	N	Mean	Std Dev
20-05	49	new_case_rate_percent	New Case Rate (%)	49	0.2188304	0.1513629
		new_death_rate_percent	New Death Rate (%)	49	0.0112353	0.0122495
20-06	49	new_case_rate_percent	New Case Rate (%)	49	0.2348704	0.1583585
		new_death_rate_percent	New Death Rate (%)	49	0.0056339	0.0041954
20-07	49	new_case_rate_percent	New Case Rate (%)	49	0.4883821	0.3659906
		new_death_rate_percent	New Death Rate (%)	49	0.0070958	0.0070773
20-08	49	new_case_rate_percent	New Case Rate (%)	49	0.3980471	0.2182805
		new_death_rate_percent	New Death Rate (%)	49	0.0074000	0.0065045
20-09	49	new_case_rate_percent	New Case Rate (%)	49	0.4147673	0.2556934
		new_death_rate_percent	New Death Rate (%)	49	0.0061750	0.0042299
20-10	49	new_case_rate_percent	New Case Rate (%)	49	0.7860898	0.5806056
		new_death_rate_percent	New Death Rate (%)	49	0.0086989	0.0062581
20-11	49	new_case_rate_percent	New Case Rate (%)	49	1.7132582	0.9525782
		new_death_rate_percent	New Death Rate (%)	49	0.0165960	0.0116928
20-12	49	new_case_rate_percent	New Case Rate (%)	49	1.9157149	0.5528120
		new_death_rate_percent	New Death Rate (%)	49	0.0288628	0.0124951
21-01	49	new_case_rate_percent	New Case Rate (%)	49	1.6115385	0.5906240
		new_death_rate_percent	New Death Rate (%)	49	0.0270337	0.0119467
21-02	49	new_case_rate_percent	New Case Rate (%)	49	0.6222629	0.2066676
		new_death_rate_percent	New Death Rate (%)	49	0.0145738	0.0080082
21-03	49	new_case_rate_percent	New Case Rate (%)	49	0.5033505	0.2228607
		new_death_rate_percent	New Death Rate (%)	49	0.0073915	0.0037639
21-04	49	new_case_rate_percent	New Case Rate (%)	49	0.5379624	0.2791528

month	N Obs	Variable	Label	N	Mean	Std Dev
		new_death_rate_percent	New Death Rate (%)	49	0.0048631	0.0030524
21-05	49	new_case_rate_percent	New Case Rate (%)	49	0.2753937	0.0999289
		new_death_rate_percent	New Death Rate (%)	49	0.0040812	0.0021633
21-06	49	new_case_rate_percent	New Case Rate (%)	49	0.1251203	0.0797702
		new_death_rate_percent	New Death Rate (%)	49	0.0026749	0.0012026
21-07	49	new_case_rate_percent	New Case Rate (%)	49	0.3882812	0.3273475
		new_death_rate_percent	New Death Rate (%)	49	0.0027549	0.0021941
21-08	49	new_case_rate_percent	New Case Rate (%)	49	1.2433628	0.7556476
		new_death_rate_percent	New Death Rate (%)	49	0.0091745	0.0090247
21-09	49	new_case_rate_percent	New Case Rate (%)	49	1.3785252	0.6293651
		new_death_rate_percent	New Death Rate (%)	49	0.0153337	0.0098716
21-10	49	new_case_rate_percent	New Case Rate (%)	49	0.9096919	0.5349099
		new_death_rate_percent	New Death Rate (%)	49	0.0126066	0.0081717





The MEANS Procedure									
indicator	N Obs	Variable	Label	N	Mean	Std Dev			
N	14	new_case_rate_percent	New Case Rate (%)	14	1.0515463	0.6867853			
		new_death_rate_percent	New Death Rate (%)	14	0.0193878	0.0108914			
Y	35	new_case_rate_percent	New Case Rate (%)	35	0.8529502	0.4604348			
		new_death_rate_percent	New Death Rate (%)	35	0.0098941	0.0047337			

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					
Loc	ation	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 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 NPAR1WAY Procedure

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

indicator	N		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