General Linear Model

Notes

Output Created		07-SEP-2022 17:37:01
Comments		
Input	Data	C:\Users\Student\OneDrive - University of Kent\URSS\Experiment 1 - Spell or No Spell\Statistical Analysis\Final_All_Results.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	6134198
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		GLM VADER_Result by Pre_Processed Spell_Checked /EMMEANS = TABLES (Pre_Processed*Spell_Checked) COMPARE (Pre_Processed).
Resources	Processor Time	00:00:08.47
	Elapsed Time	00:00:08.28

Between-Subjects Factors

		Value Label	N
Pre_Processed	0	False	3067099
	1	True	3067099
Spell_Checked	None		876314
	Symspell		876314
	Symspell_Compound		876314
	Symspell_Compound_Urban		876314
	Symspell_Urban		876314
	TextBlob		876314
	TextBlob_Urban		876314

Tests of Between-Subjects Effects

Dependent Variable: VADER_Result

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	230.664[a]	13	17.743	221.012	.000
Intercept	2135762.817	1	2135762.817	26603073.28	.000
Pre_Processed	36.644	1	36.644	456.437	<.001
Spell_Checked	193.956	6	32.326	402.653	.000
Pre_Processed * Spell_Checked	.064	6	.011	.133	.992
Error	492467.993	6134184	.080		
Total	2628461.473	6134198			
Corrected Total	492698.657	6134197			

a. R Squared = .000 (Adjusted R Squared = .000)

Estimated Marginal Means

Pre_Processed * Spell_Checked

Estimates

Dependent Variable: VADER_Result

Pre_Processed	Spell_Checked	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
False	None	.590	.000	.589	.591
	Symspell	.586	.000	.585	.587
	Symspell_Compound	.594	.000	.593	.595
	Symspell_Compound_Urban	.595	.000	.594	.596
	Symspell_Urban	.588	.000	.587	.588
	TextBlob	.579	.000	.578	.580
	TextBlob_Urban	.581	.000	.581	.582
True	None	.595	.000	.594	.596
	Symspell	.591	.000	.590	.592
	Symspell_Compound	.599	.000	.598	.599
	Symspell_Compound_Urban	.600	.000	.599	.601
	Symspell_Urban	.593	.000	.592	.593
	TextBlob	.583	.000	.583	.584
	TextBlob_Urban	.587	.000	.586	.587

Pairwise Comparisons

Dependent Variable: VADER_Result

Spell_Checked	(I) Pre_Processed	(J) Pre_Processed	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
						Lower Bound	Upper Bound
None	False	True	-.005*	.001	<.001	-.006	-.004
	True	False	.005*	.001	<.001	.004	.006
Symspell	False	True	-.005*	.001	<.001	-.006	-.004
	True	False	.005*	.001	<.001	.004	.006
Symspell_Compound	False	True	-.005*	.001	<.001	-.006	-.004
	True	False	.005*	.001	<.001	.004	.006
Symspell_Compound_Urban	False	True	-.005*	.001	<.001	-.006	-.004
	True	False	.005*	.001	<.001	.004	.006
Symspell_Urban	False	True	-.005*	.001	<.001	-.006	-.004
	True	False	.005*	.001	<.001	.004	.006
TextBlob	False	True	-.005*	.001	<.001	-.006	-.003
	True	False	.005*	.001	<.001	.003	.006
TextBlob_Urban	False	True	-.005*	.001	<.001	-.006	-.004
	True	False	.005*	.001	<.001	.004	.006

Based on estimated marginal means

*. The mean difference is significant at the .050 level.

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

Univariate Tests

Dependent Variable: VADER_Result

Spell_Checked		Sum of Squares	df	Mean Square	F	Sig.
None	Contrast	5.934	1	5.934	73.915	<.001
	Error	492467.993	6134184	.080		
Symspell	Contrast	4.976	1	4.976	61.975	<.001
	Error	492467.993	6134184	.080		
Symspell_Compound	Contrast	4.818	1	4.818	60.016	<.001
	Error	492467.993	6134184	.080		
Symspell_Compound_Urban	Contrast	5.041	1	5.041	62.795	<.001
	Error	492467.993	6134184	.080		
Symspell_Urban	Contrast	5.525	1	5.525	68.814	<.001
	Error	492467.993	6134184	.080		
TextBlob	Contrast	4.705	1	4.705	58.611	<.001
	Error	492467.993	6134184	.080		
TextBlob_Urban	Contrast	5.709	1	5.709	71.107	<.001
	Error	492467.993	6134184	.080		

Each F tests the simple effects of Pre_Processed within each level combination of the other effects shown.
These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.