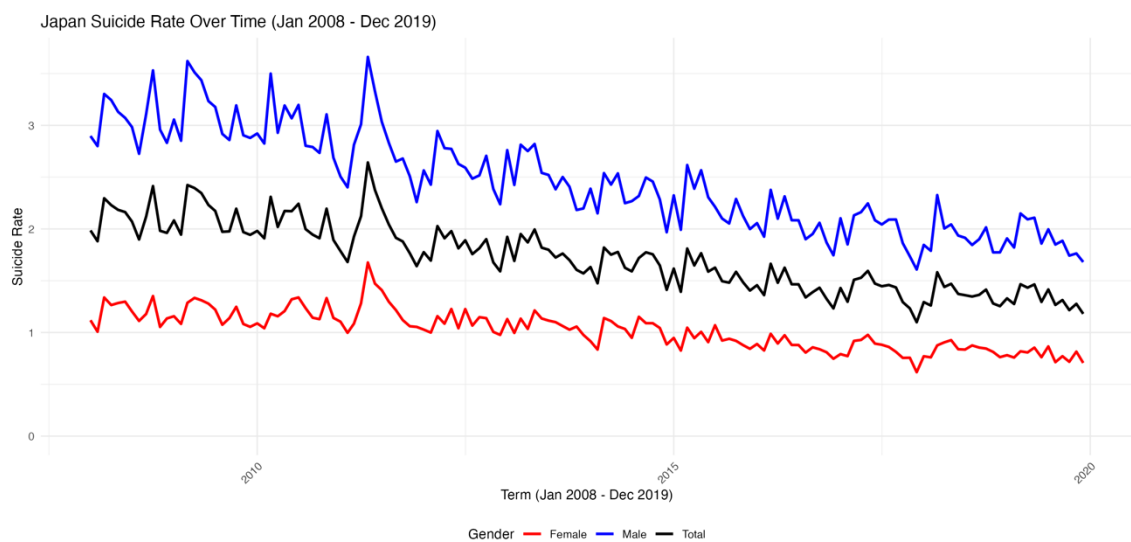
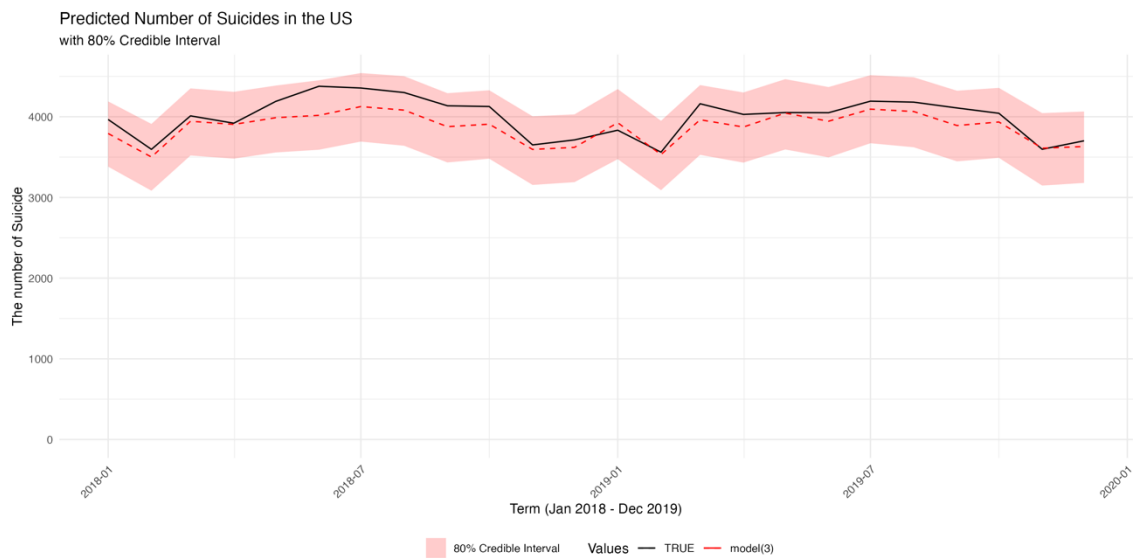


S Figure 1 Trend in Suicide Rates in the United States: January 2004 to December 2019

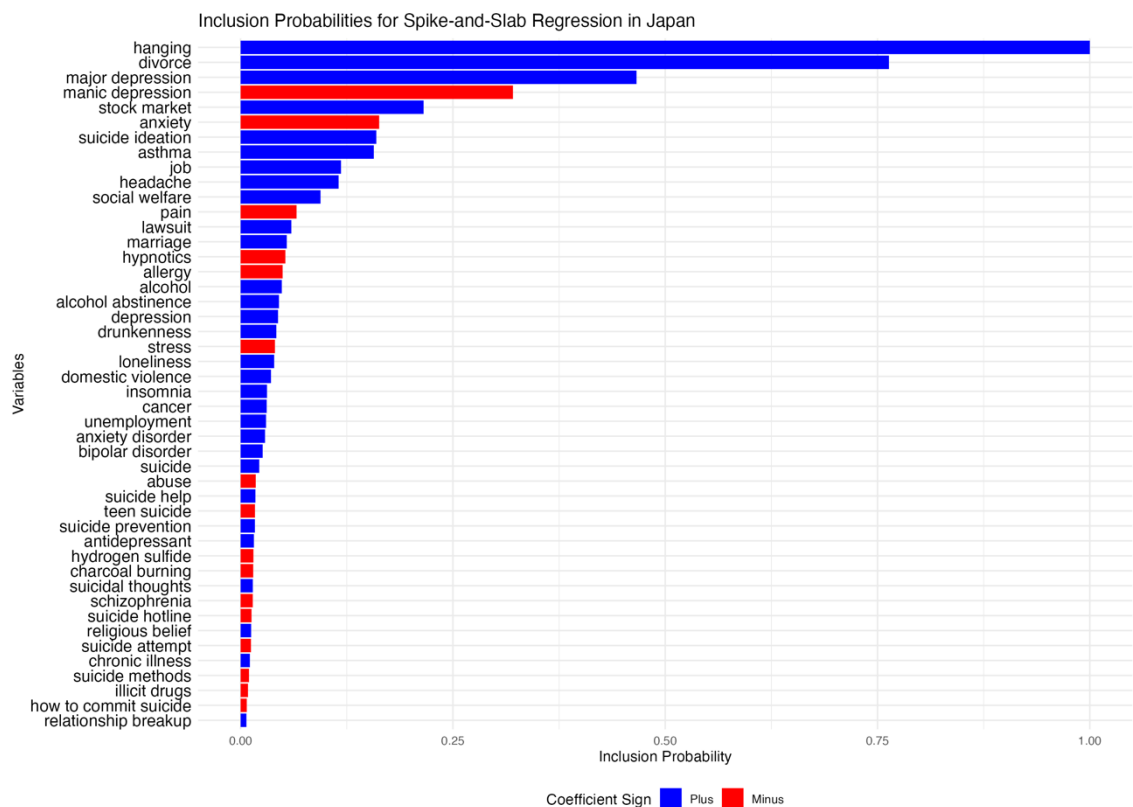


Source: Japan Data

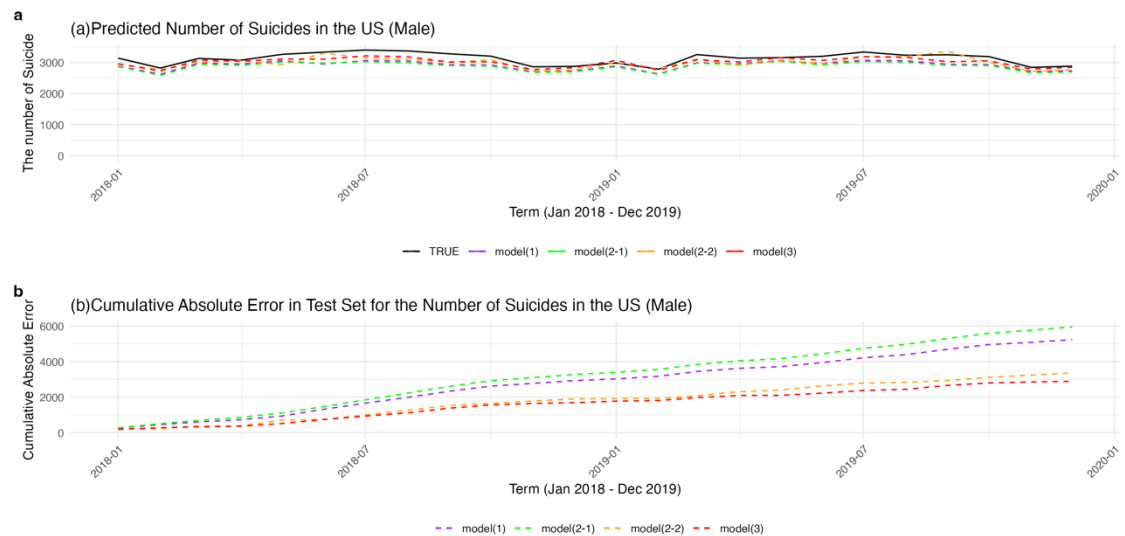
S Figure 2 Trend in Suicide Rates in the Japan: January 2008 to December 2019



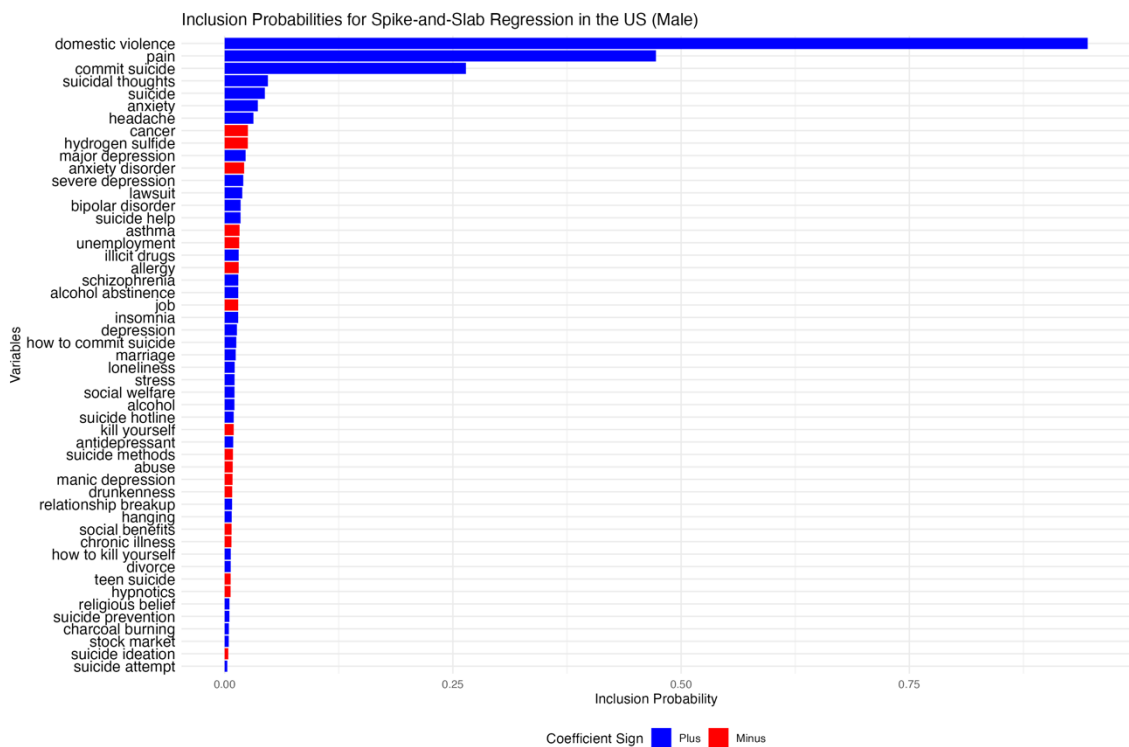
S Figure 3 Accuracy of Models for United States Test Set (Jan 2018 - Dec 2019): Trend of Actual Suicide Numbers and Predicted Values for Model (3) with 80% Credible Interval



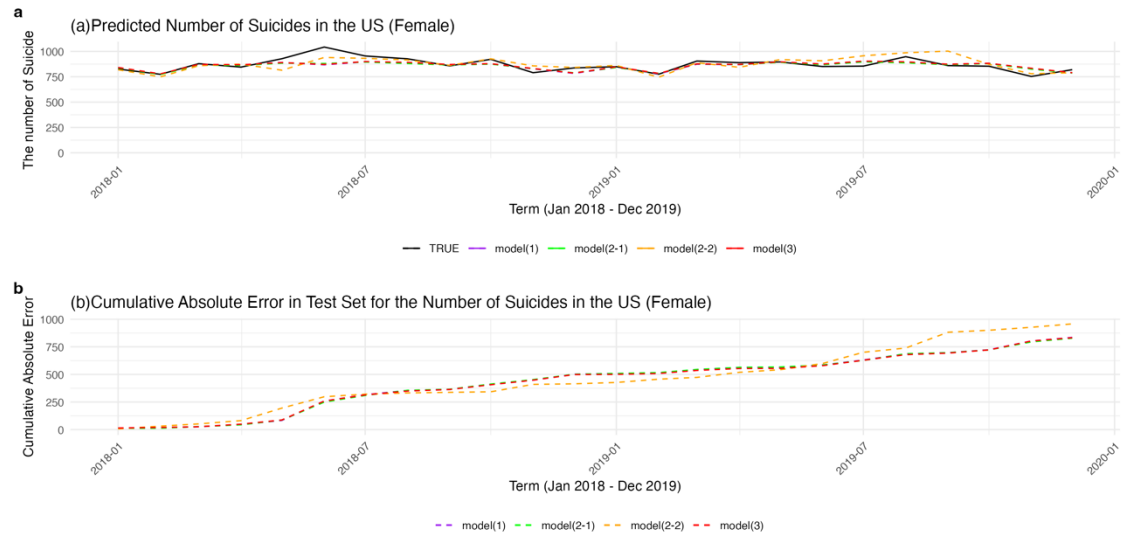
S Figure 4 Inclusion Probabilities of Search Queries in Model (3) Using Spike-and-Slab Regression for Japan



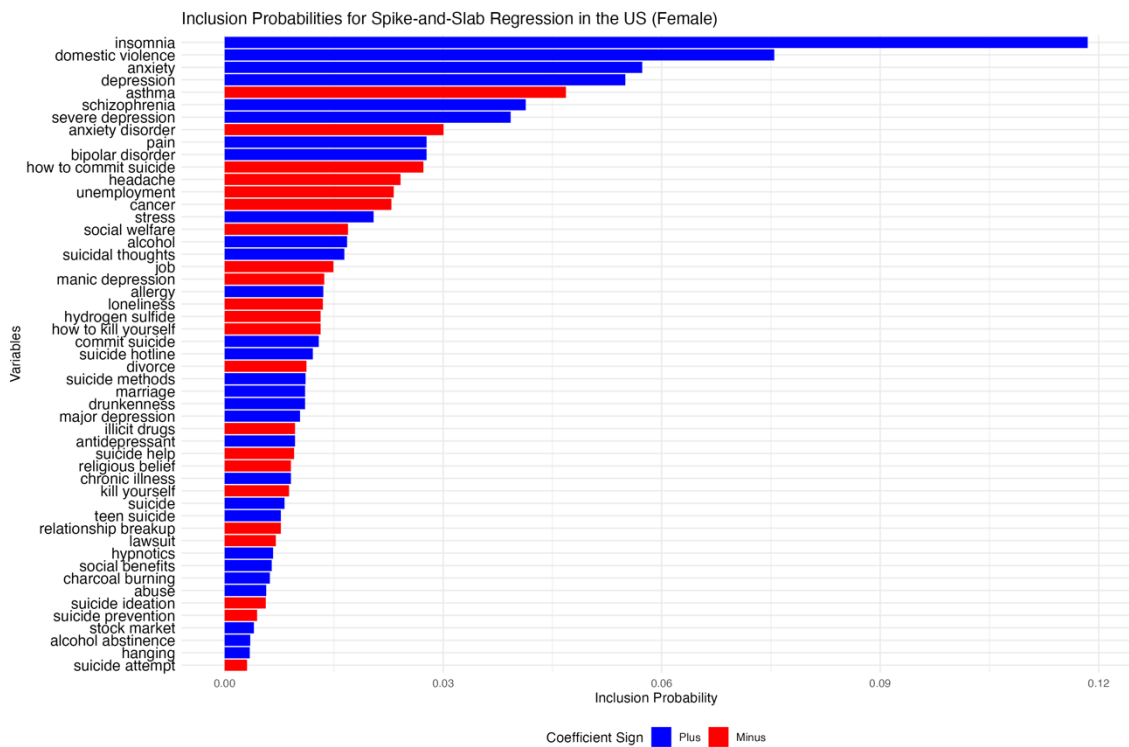
S Figure 5 Accuracy of Models for United States Male Test Set (Jan 2018 - Dec 2019): (a) Trend of Actual Suicide Numbers and Predicted Values for Model (1) - Model (3), (b) Cumulative Absolute Error (AE) for Model (1) - Model (3)



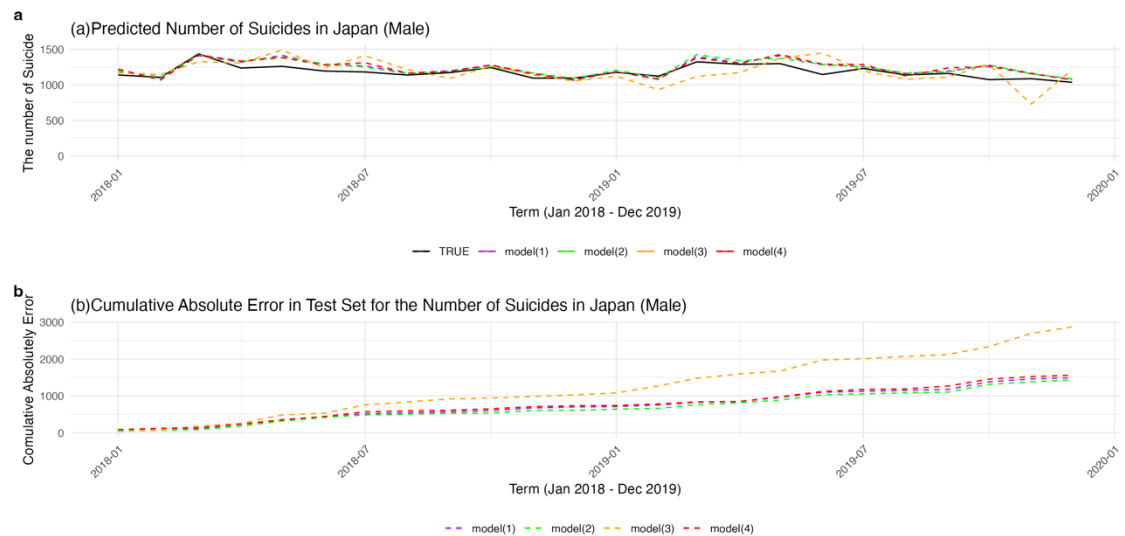
S Figure 6 Inclusion Probabilities of Search Queries in Model (3) Using Spike-and-Slab Regression for United States Male



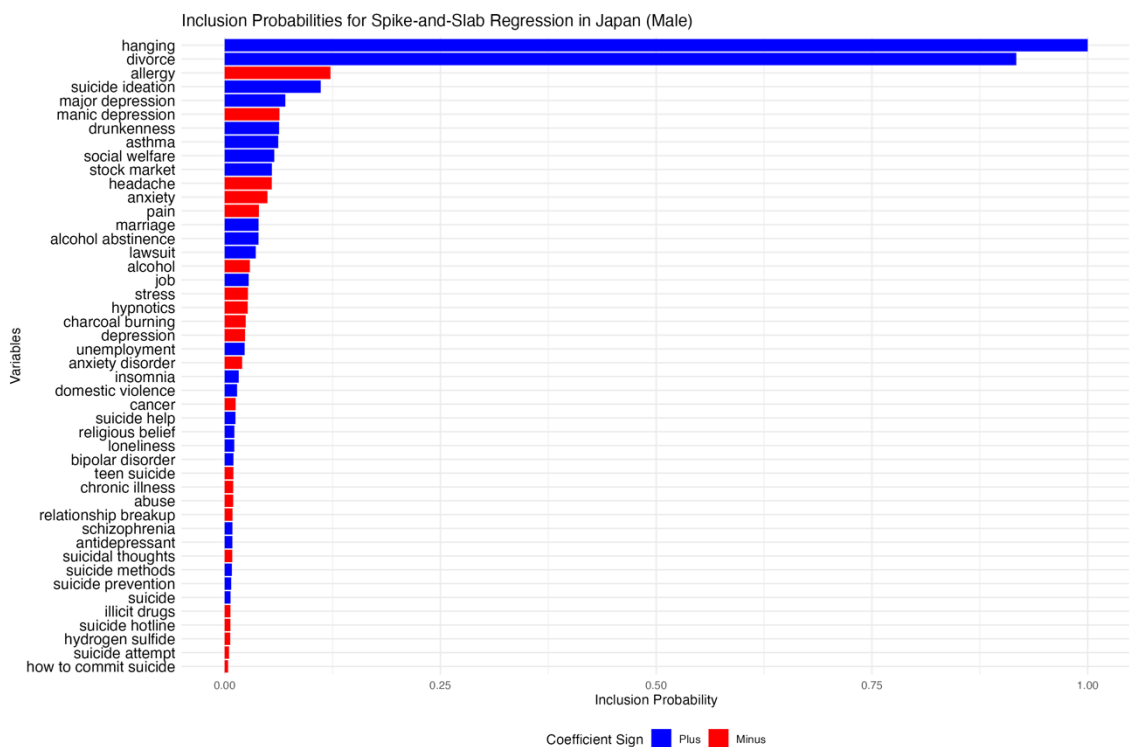
S Figure 7 Accuracy of Models for United States Female Test Set (Jan 2018 - Dec 2019): (a) Trend of Actual Suicide Numbers and Predicted Values for Model (1) - Model (3), (b) Cumulative Absolute Error (AE) for Model (1) - Model (3)



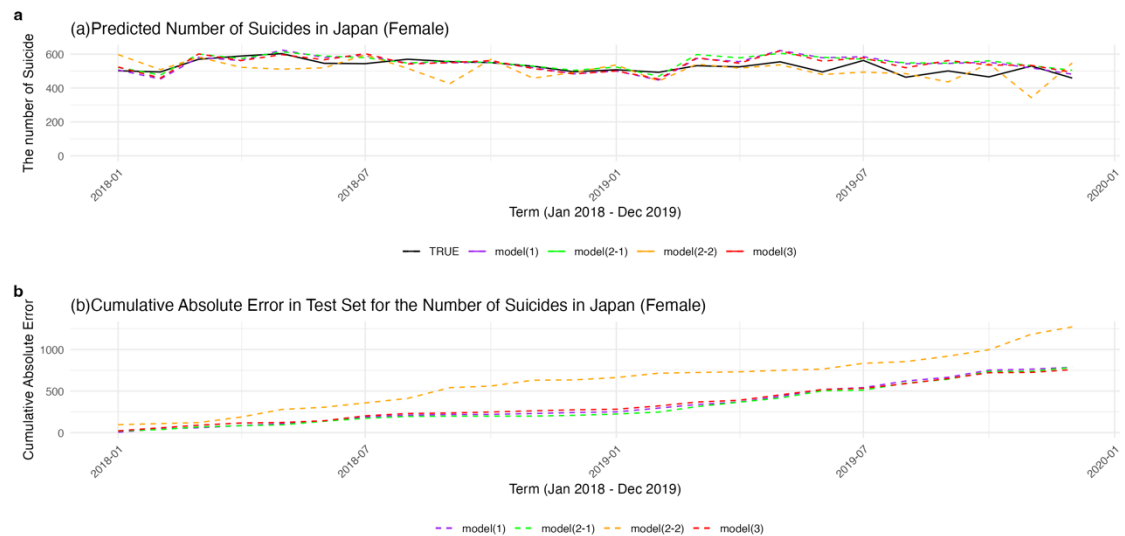
S Figure 8 Inclusion Probabilities of Search Queries in Model (3) Using Spike-and-Slab Regression for United States Female



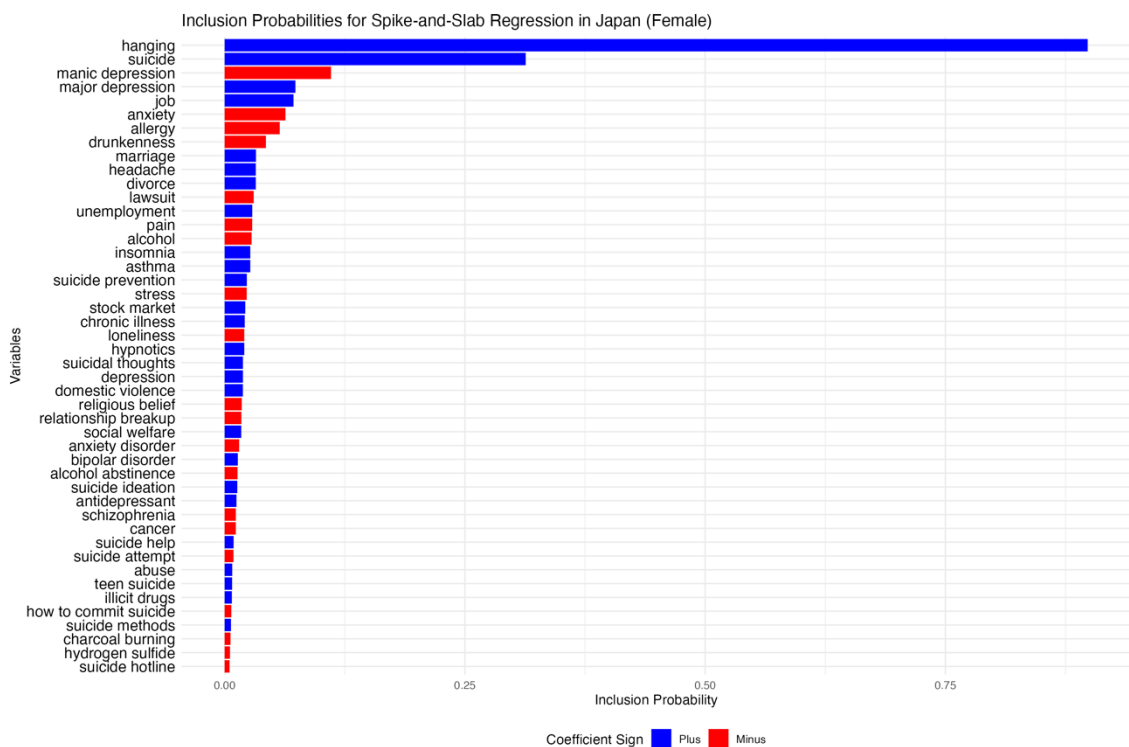
S Figure 9 Accuracy of Models for Japanese Male Test Set (Jan 2018 - Dec 2019): (a) Trend of Actual Suicide Numbers and Predicted Values for Model (1) - Model (3), (b) Cumulative Absolute Error (AE) for Model (1) - Model (3)



S Figure 10 Inclusion Probabilities of Search Queries in Model (3) Using Spike-and-Slab Regression for Japan Male



S Figure 11 Accuracy of Models for Japanese Female Test Set (Jan 2018 - Dec 2019): (a) Trend of Actual Suicide Numbers and Predicted Values for Model (1) - Model (3), (b) Cumulative Absolute Error (AE) for Model (1) - Model (3)



S Figure 12 Inclusion Probabilities of Search Queries in Model (3) Using Spike-and-Slab Regression for Japan Female

S Table 1 Results of the Augmented Dickey-Fuller Test for Suicide Rates (Jan 2004 (Jan 2008 for Japan) - Dec 2016)

	Data	Dickey-Fuller Statistic	Lag Order	p-value
US	Total	-2.5229	11	0.3584
	Male	-2.2879	11	0.4563
	Female	-2.988	11	0.1645
Japan	Total	-3.4582	11	0.04918
	Male	-4.1697	11	0.01
	Female	-1.6644	11	0.7159