

- Summary of Analysis

- Data Period

- ✧ **Training Period:** January 2004 – December 2016
- ✧ **Validation Period:** January 2017 – December 2017
- ✧ **Test Period:** January 2018 – December 2019

- Model

- ✧ Refer to the [original paper](#).

- Summary of Results

Table 1 Mean Absolute Percentage Error (MAPE) and Mean Absolute Error (MAE) for Suicide Numbers in Test Set (Jan 2018 - Dec 2019) for the Spain

	MAPE		
	Overall	Male	Female
Model1	5.15	5.75	9.39
Model2-1	5.08	5.54	10.99
Model2-2	5.57	10.26	30.38
Model3	5.13	5.7	9.49
	MAE		
	Overall	Male	Female
Model1	15.13	12.81	6.81
Model2-1	14.96	12.41	7.94
Model2-2	16.55	23.23	22.26
Model3	15.13	12.69	6.9

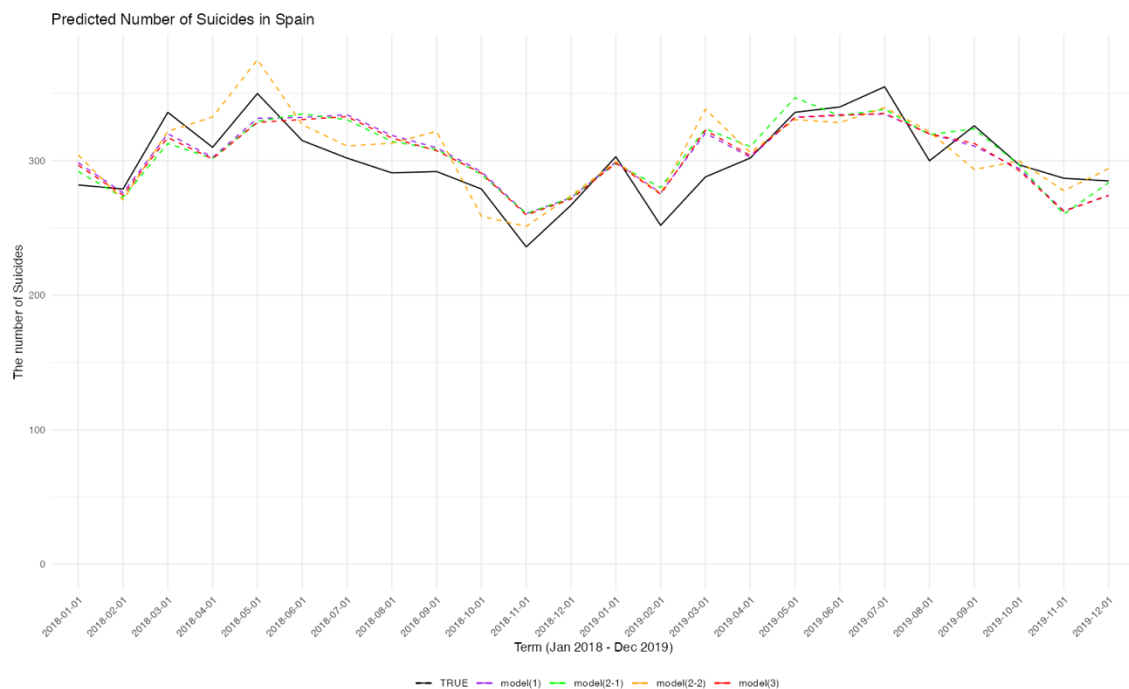


Figure 1 Comparison of Observed and Predicted Suicide Numbers in the Test Set (Jan 2018 – Dec 2019) for Each Model-Overall

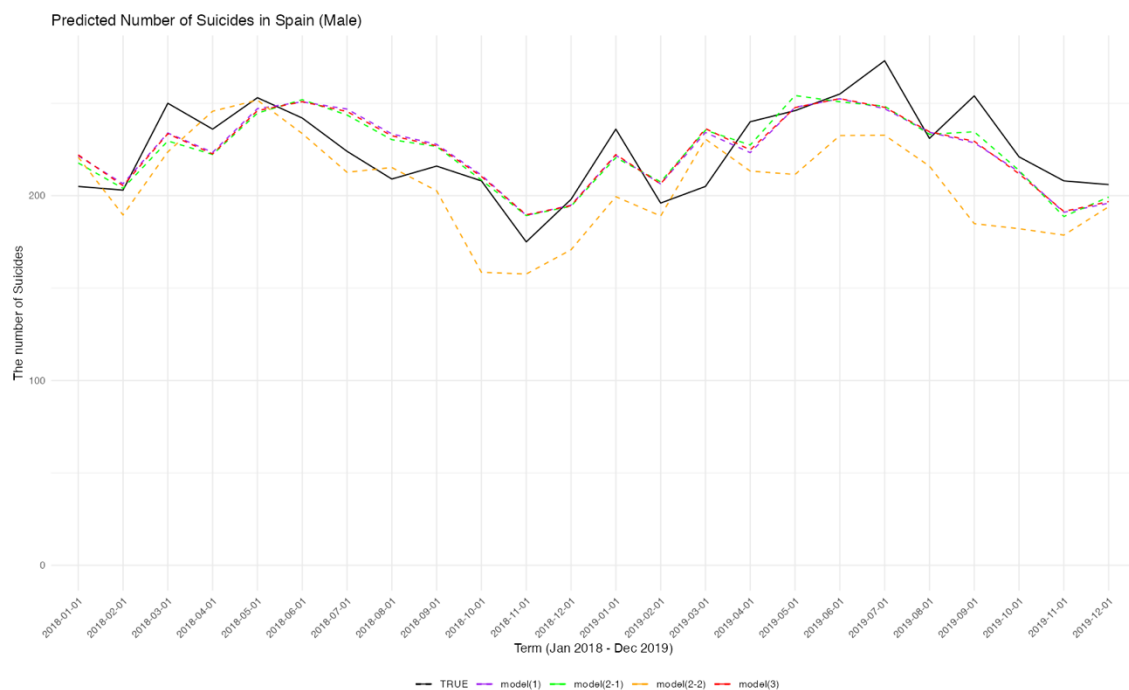


Figure 2 Comparison of Observed and Predicted Suicide Numbers in the Test Set (Jan 2018 – Dec 2019) for Each Model-Male

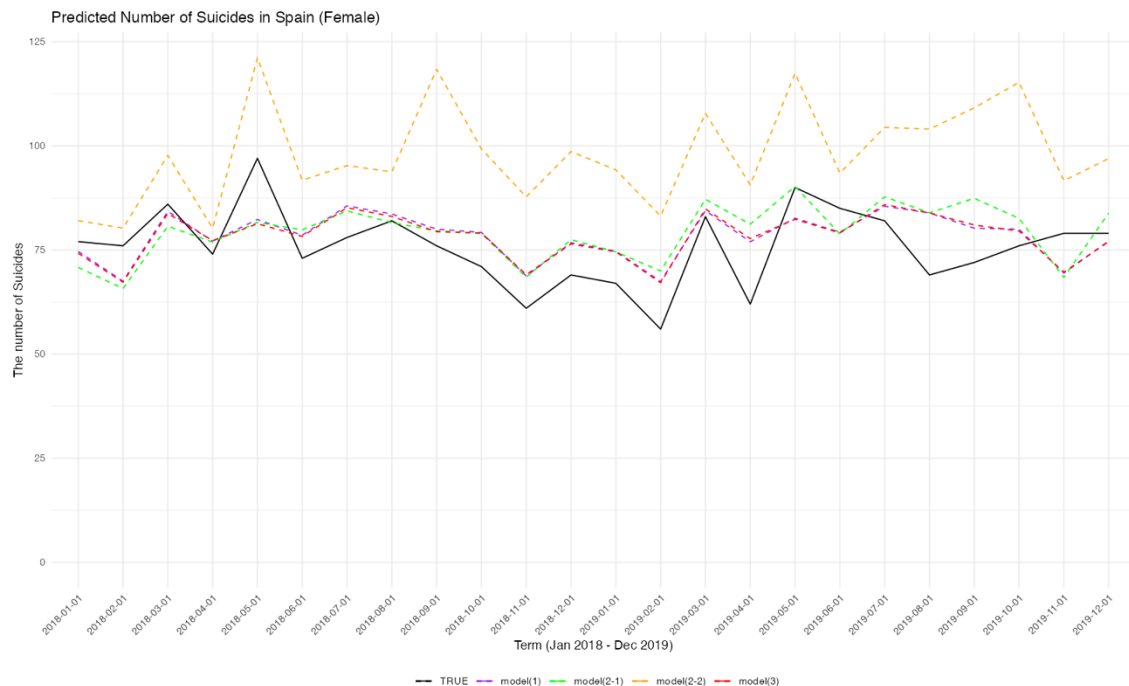


Figure 3 Comparison of Observed and Predicted Suicide Numbers in the Test Set (Jan 2018 – Dec 2019) for Each Model-Female

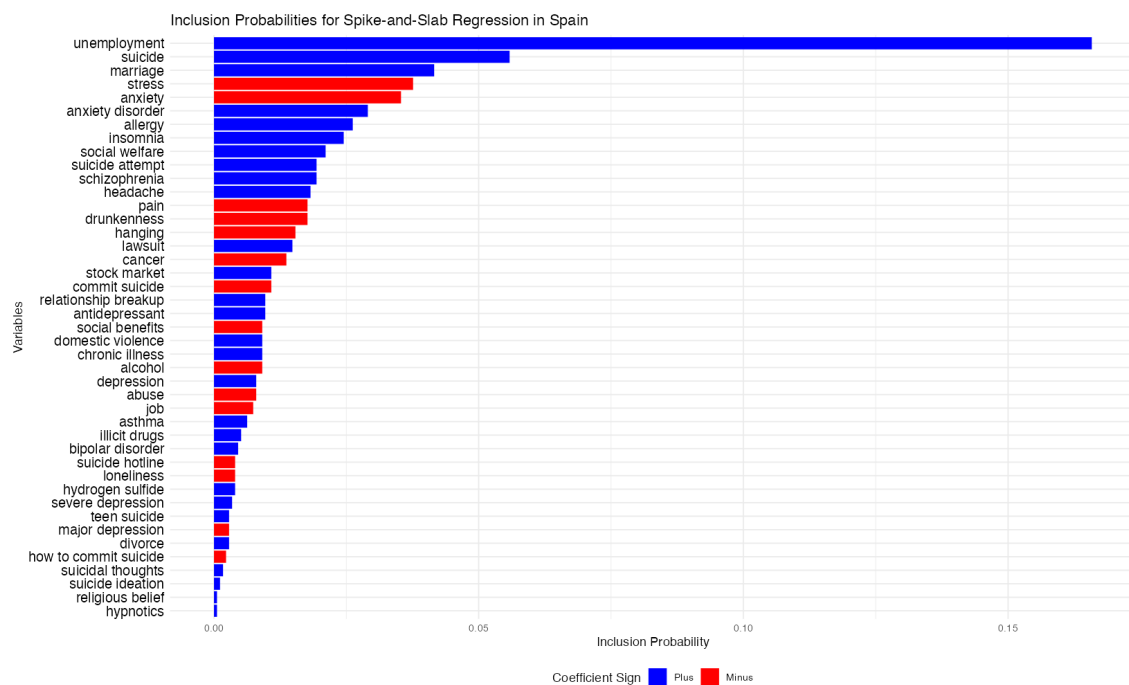


Figure 4 Inclusion Probabilities of Each Query in Spike-and-Slab Regression (Model 3)-Overall

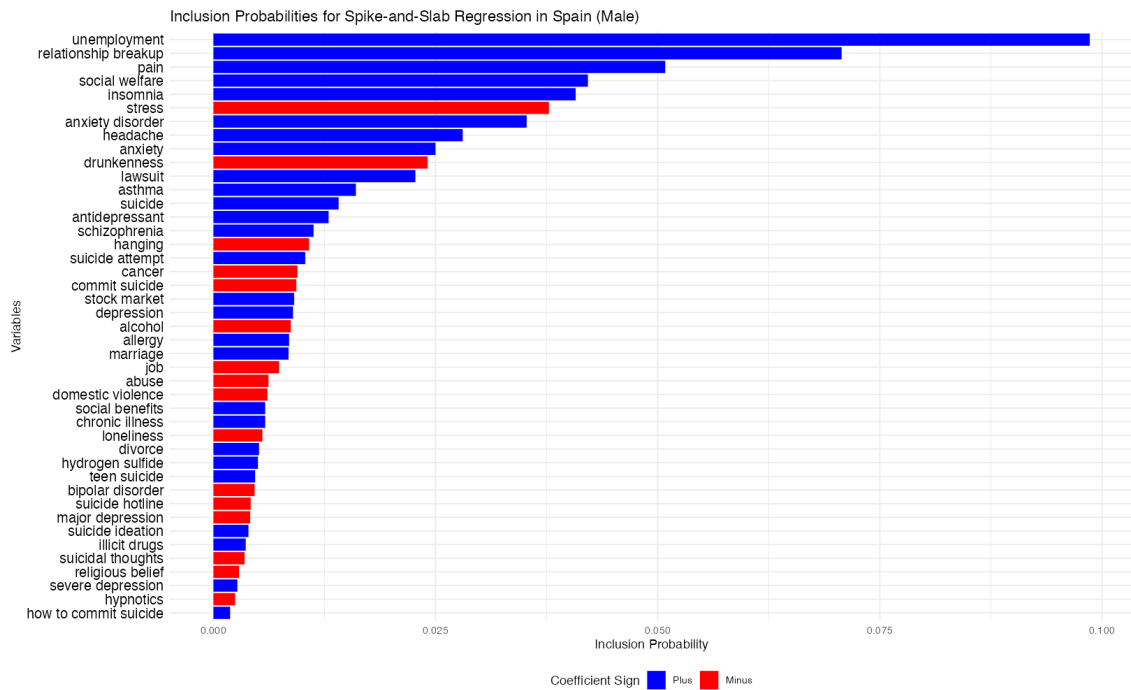


Figure 5 Inclusion Probabilities of Each Query in Spike-and-Slab Regression (Model 3)-Male

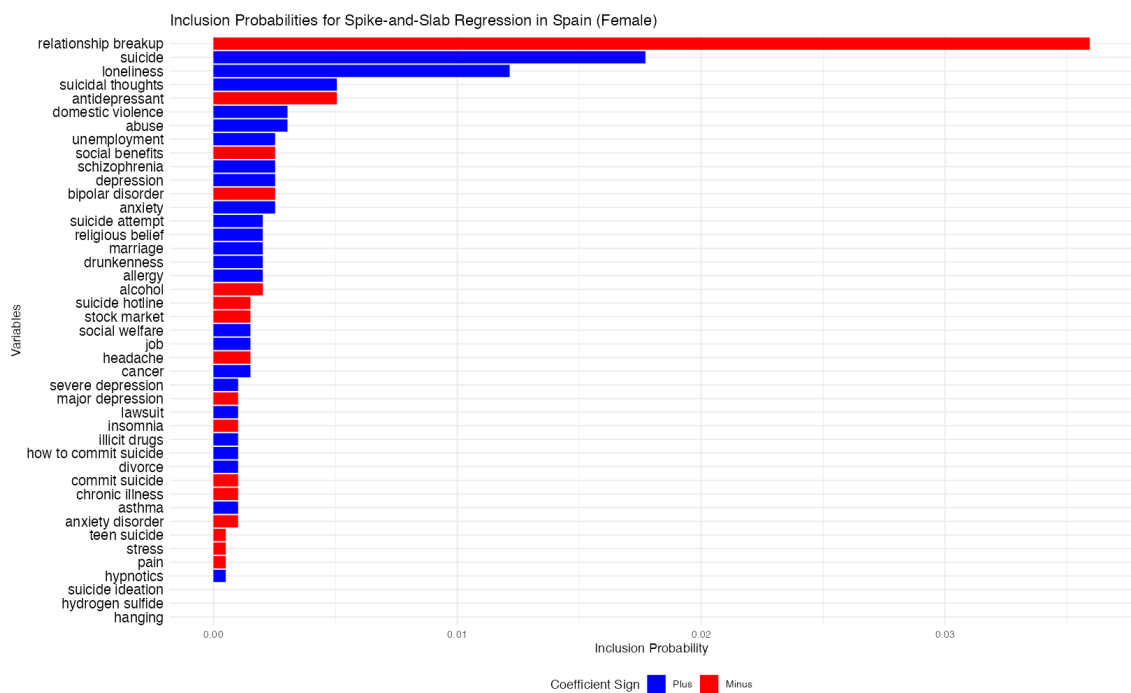


Figure 6 Inclusion Probabilities of Each Query in Spike-and-Slab Regression (Model 3)-Female