

# WHAT CAN WE LEARN FROM ALMOST A DECADE OF FOOD TWEETS



## ABSTRACT

The **Latvian Twitter Eater Corpus** is a set of tweets in the narrow domain related to food, drinks, eating and drinking. We also separate two sub-corpora of question and answer tweets and sentiment anno-tated tweets. We analyse contents of the corpus and demonstrate use-cases for the sub-corpora by training domain-specific question-answering and sentiment-analysis models using data from the corpus.

## SENTIMENT CLASSIFICATION

**5** Training Datasets  
**4** Data Processing Variations  
**2** Model Configurations

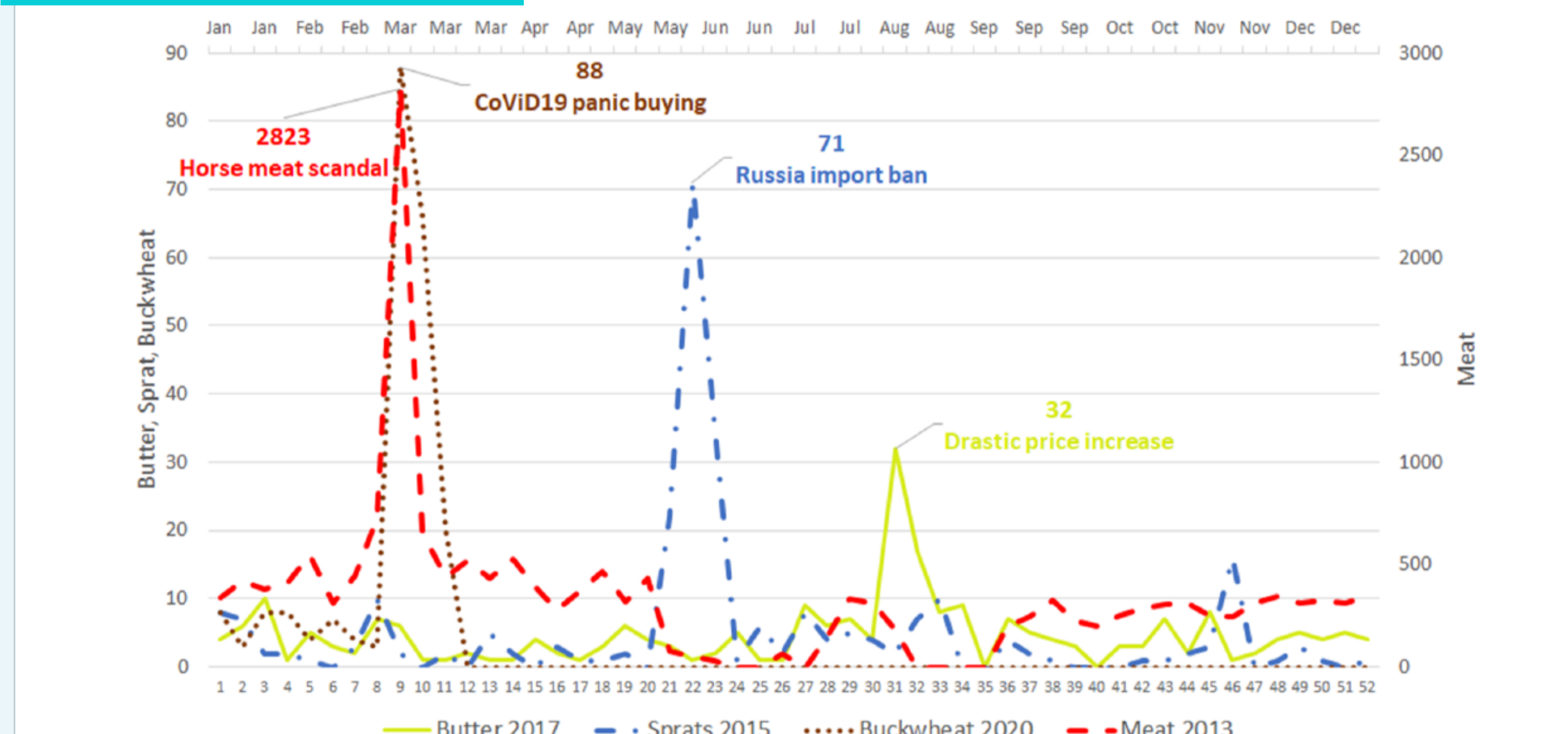
Training Data	TE	MP	MP.PE	TE.MP	All	TE.MP.RV.PE
<b>Naive Bayes</b>	53.21	43.32	45.72	56.55	59.63	58.02
<b>Perceptron</b>	53.07	52.67	53.47	57.87	57.33	58.27
<b>Stemmed</b>						
<b>Naive Bayes</b>	53.74	46.39	50.67	58.16	60.56	<b>61.23</b>
<b>Perceptron</b>	56.67	53.73	54.13	60.00	56.93	57.73
<b>Lemmas</b>						
<b>Naive Bayes</b>	53.88	45.45	49.60	56.42	58.42	59.63
<b>Perceptron</b>	54.41	51.07	53.07	57.35	56.95	56.95
<b>Stemmed Lemmas</b>						
<b>Naive Bayes</b>	54.41	45.99	49.33	57.62	59.63	59.63
<b>Perceptron</b>	53.34	51.47	52.67	58.29	56.68	57.09

## MAIN KEYWORDS

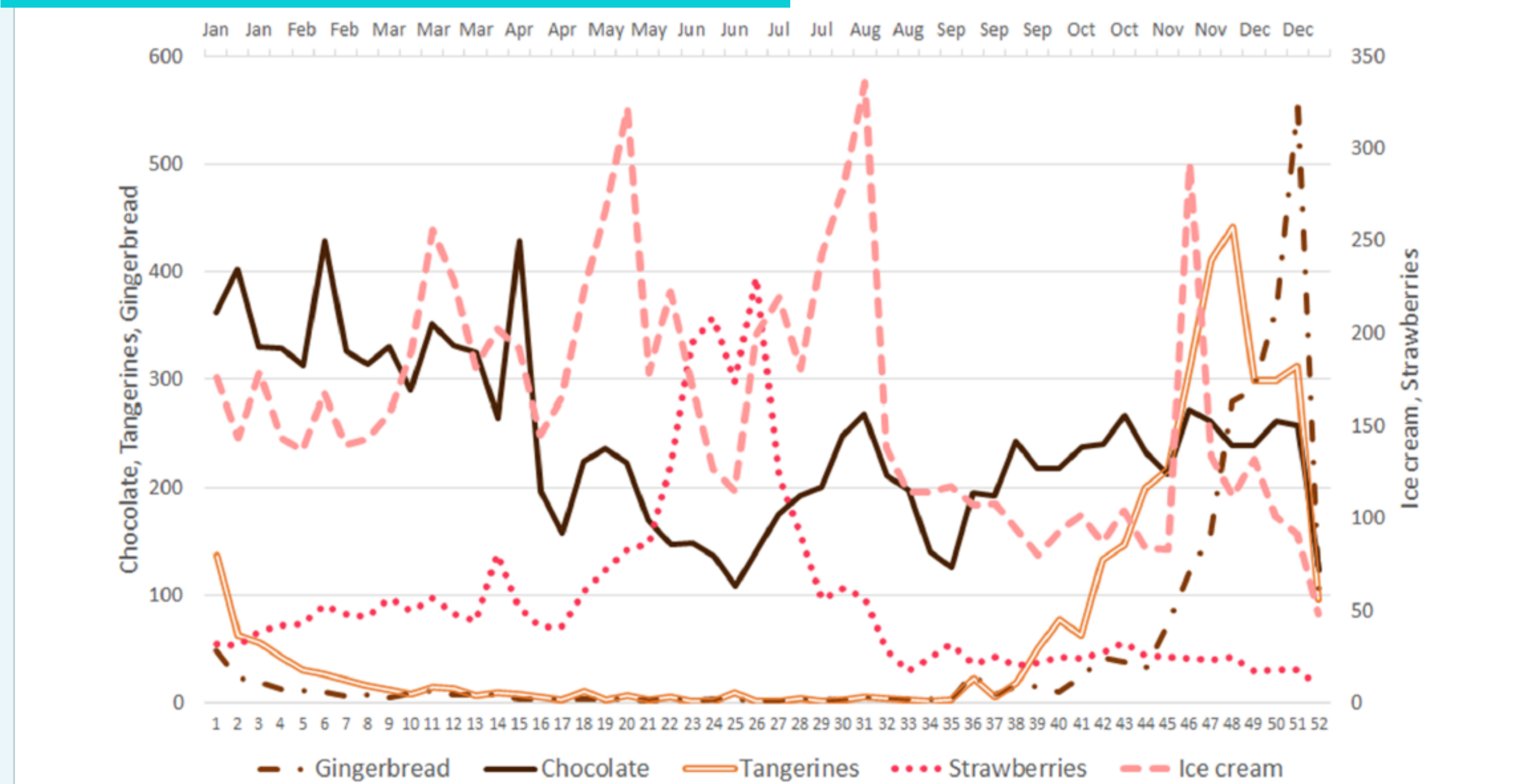
taste	lunch	beet	potato	mandarin	sweet
eat	feast	bun	cabbage	sauce	mushroom
breakfast	drink	carrot	candy	pancake	onion
dine	treat	chips	sour cream	dumpling	chocolate
dinner	nom	vegetable	cream soup	gingerbread	tea
bite	appetite	meat	cake	rice	tomato
meal	orange	Hesburger	drink	salad	grape
food	apple	coffee	McDonald's	ice cream	strawberry



## LARGE TRENDS



## YEARLY SEASONAL TRENDS



## OVERVIEW

<https://twitediens.tk>

<https://ej.uz/LTEC>



**2,308,285**

tweets and counting, including

**19,871** question tweets with at least one reply

**5420** annotated with sentiment

**42,744** question-answer tweet pairs

**1282** negative  
**2507** neutral  
**1631** positive

Collecting since October 2011 using 363 keywords  
About 6500 new tweets every month

## POPULAR DRINKS/FOODS

Food	Count	Drink	Count
Chocolate	117,235	Tea	163,338
Ice cream	86,109	Coffee	120,040
Meat	85,574	Juice	18,179
Potatoes	70,135	Water	15,692
Salads	61,616	Beer	14,845
Cake	52,267	Cocktails	8,207
Soup	46,545	Coca-cola	5,016
Pancakes	40,203	Alcohol	4,766
Sauce	40,201	Champagne	3,673
Apple	36,571	Vodka	2,802

## YEARLY TWEET COUNT

