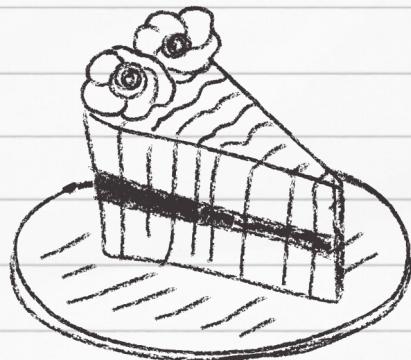


# Recipe Recommendation

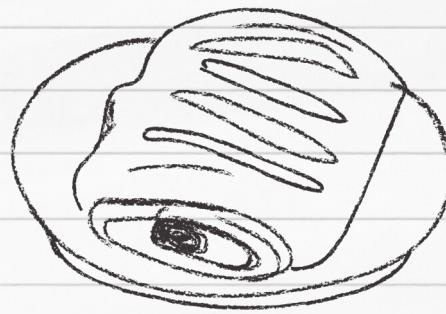
## System



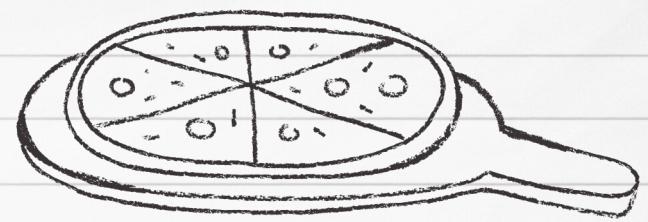
# TABLE OF *Contents*



*Data Pre-  
Processing*



*Visualizations*



*Modeling*

## INGREDIENT ONE

Combined *Title, Ingredients, & Instructions* into 1 string

## INGREDIENT THREE

Vectorized (CountVectorizer) & calculated cosine similarities for words in string

## INGREDIENT TWO

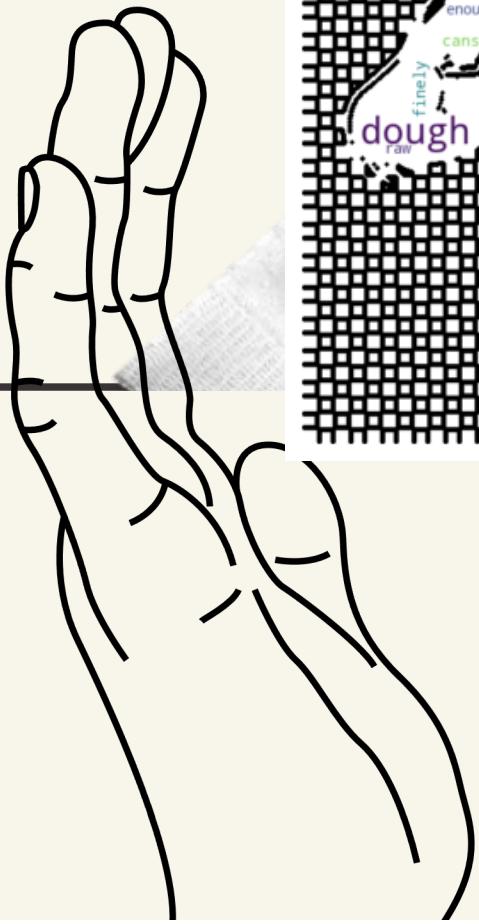
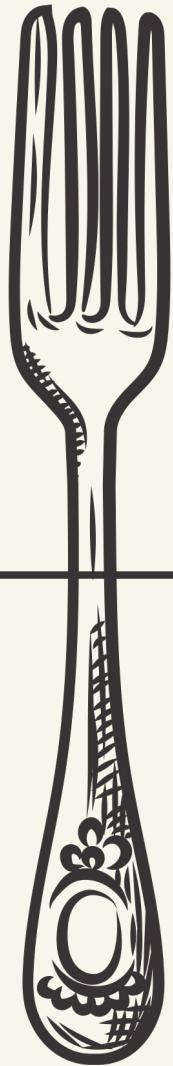
Removed Stop-Words: *English Stop-Words, “Advertisement”, “Want”, Numbers*

## INGREDIENT FOUR

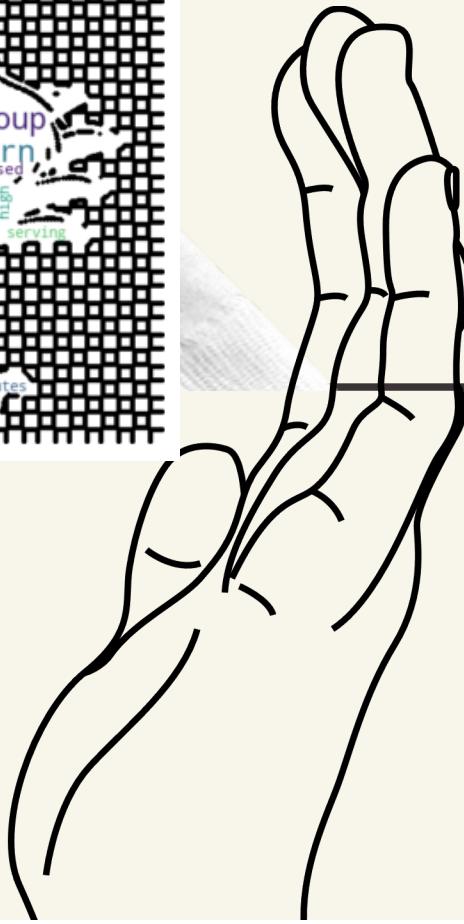
Applied BertTopic model to generate various topics for words in string

OUR  
Ingredients/Steps

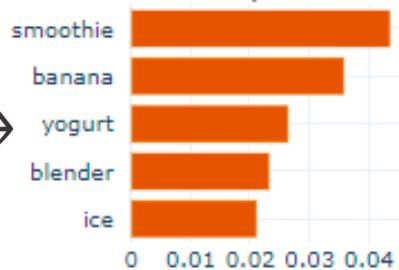




Word  
Cloud

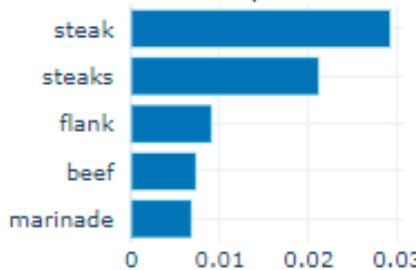


### Topic 0

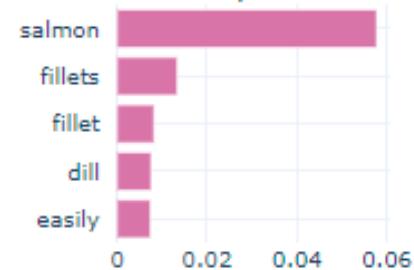


### Topic Word Scores

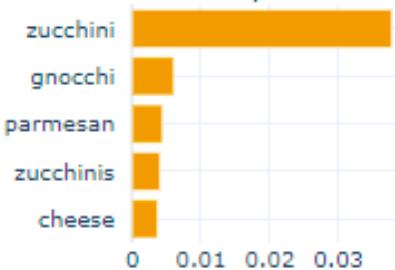
### Topic 1



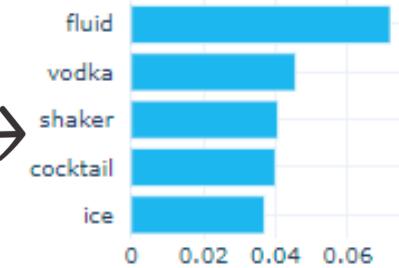
### Topic 2



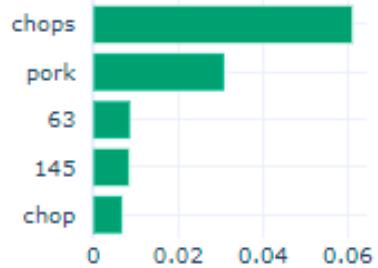
### Topic 3



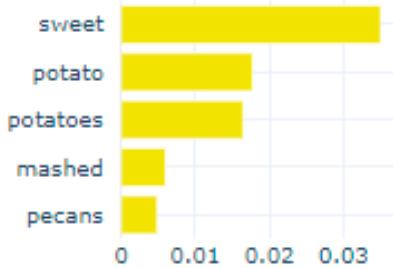
### Topic 4



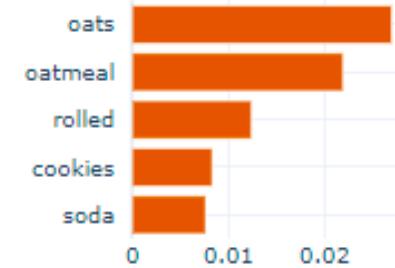
### Topic 5

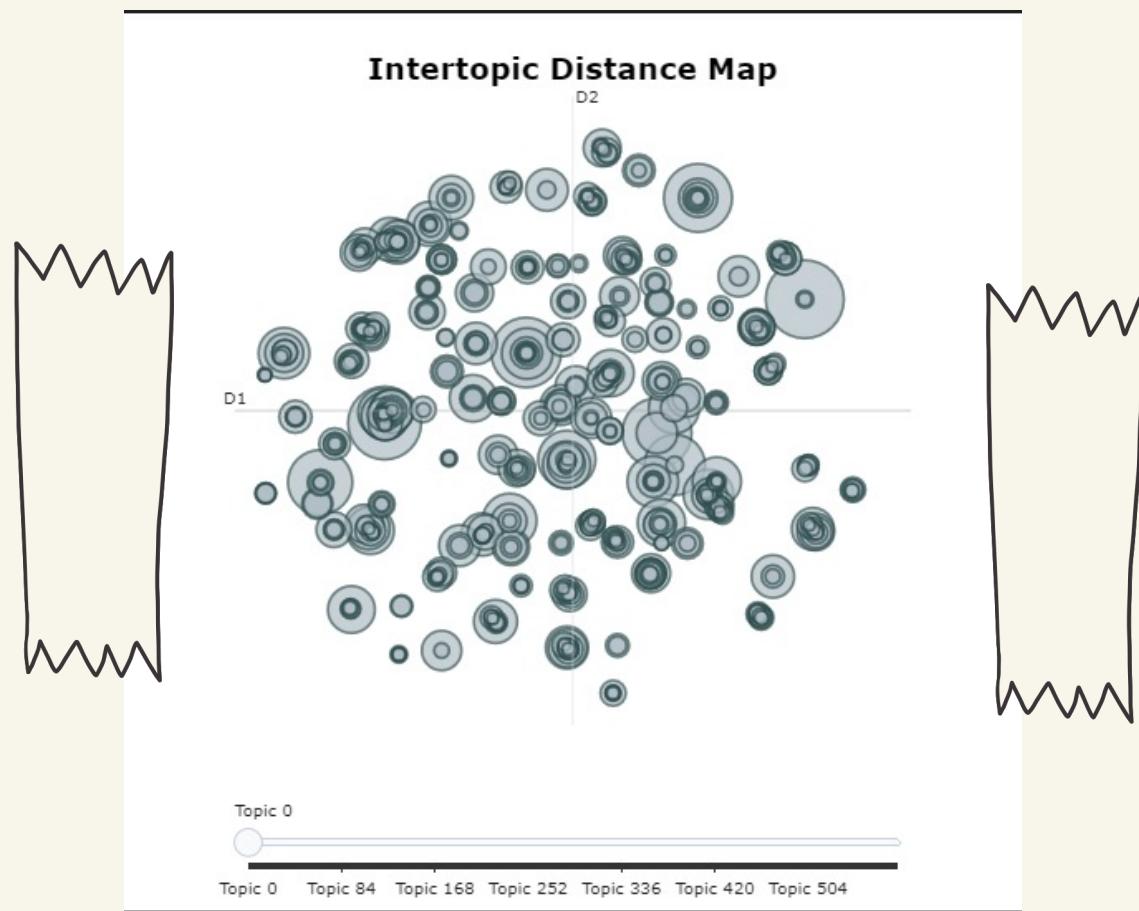


### Topic 6



### Topic 7





A “Bertopic” map is worth a thousand