

Shiny Dashboard

TEAM 4

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Introduction

Wordcloud

Frequency


Sentiment

TF-IDF

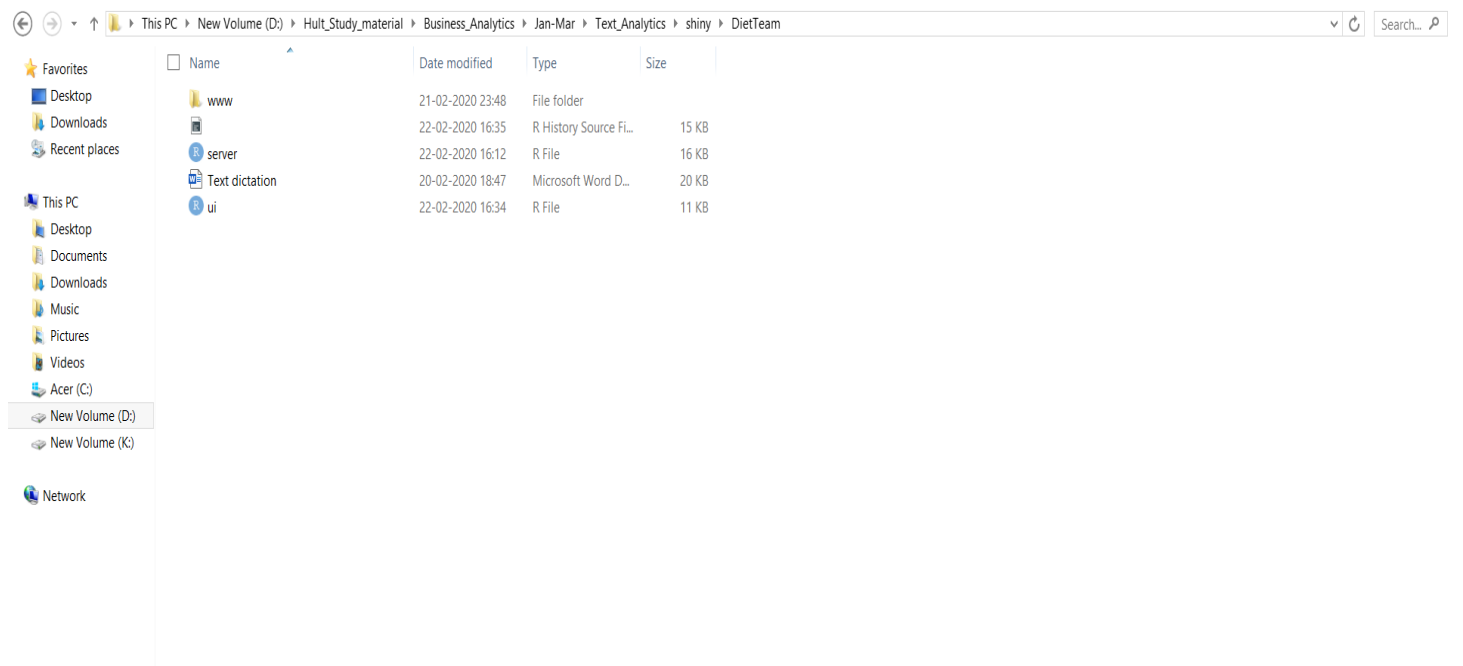
Bi-grams

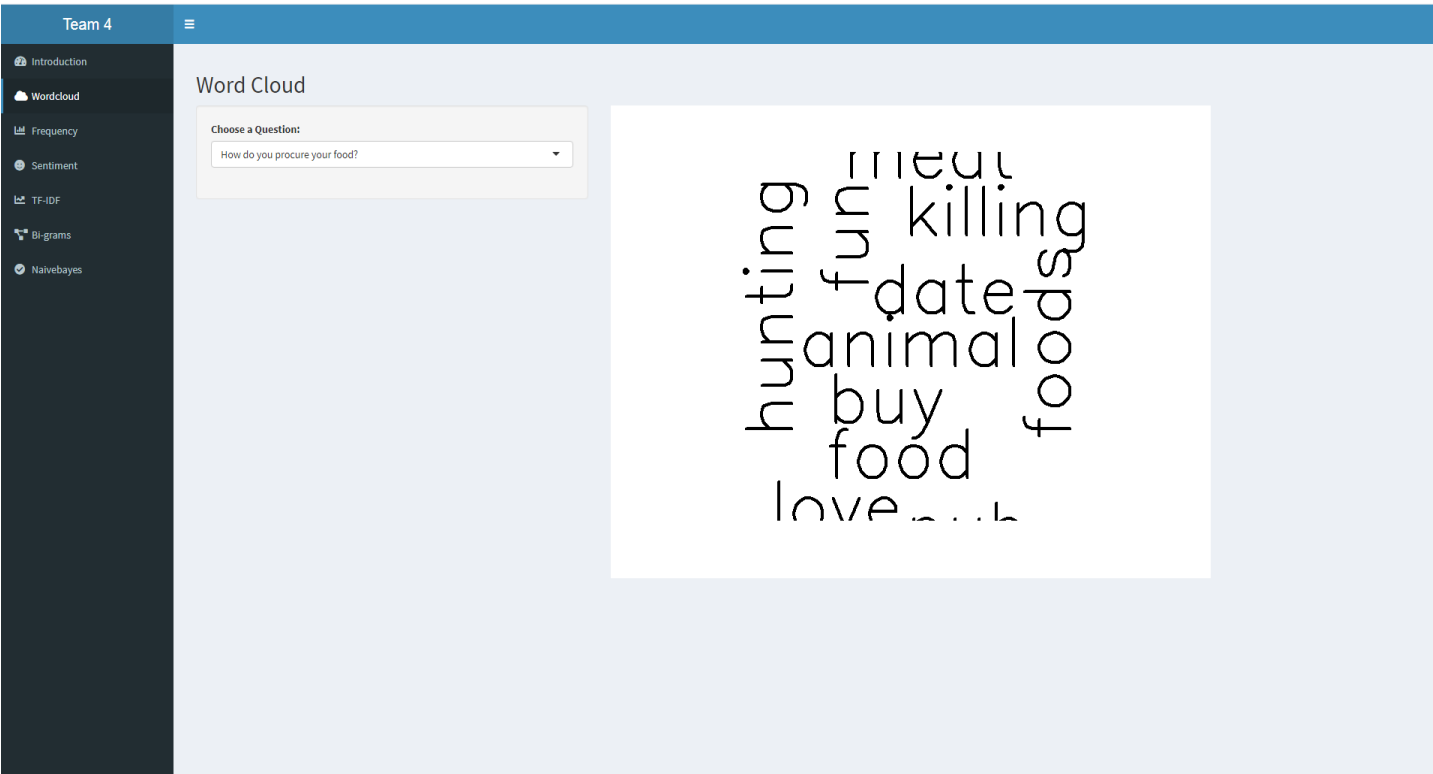
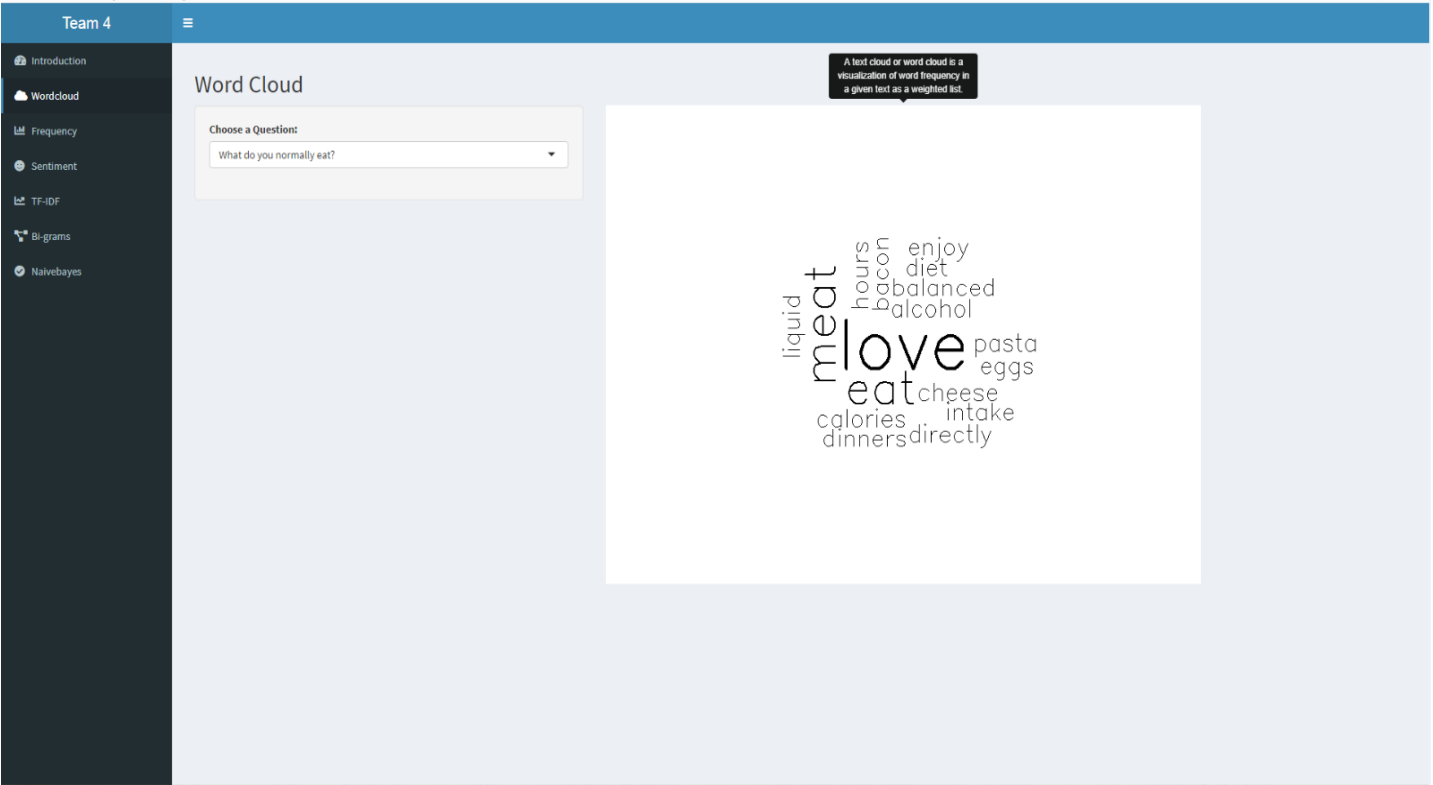
Naive Bayes

Are you on a diet?



For the image to work please store the image in the folder name: **www** in the same working directory as the scripts.





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Naive Bayes

Word Cloud

Choose a Question:

What food/beverages you don't eat?

eat

plants

soda

virtue

conscious

health

sweets

vegetables

pasta

hate

veggies

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Frequencies

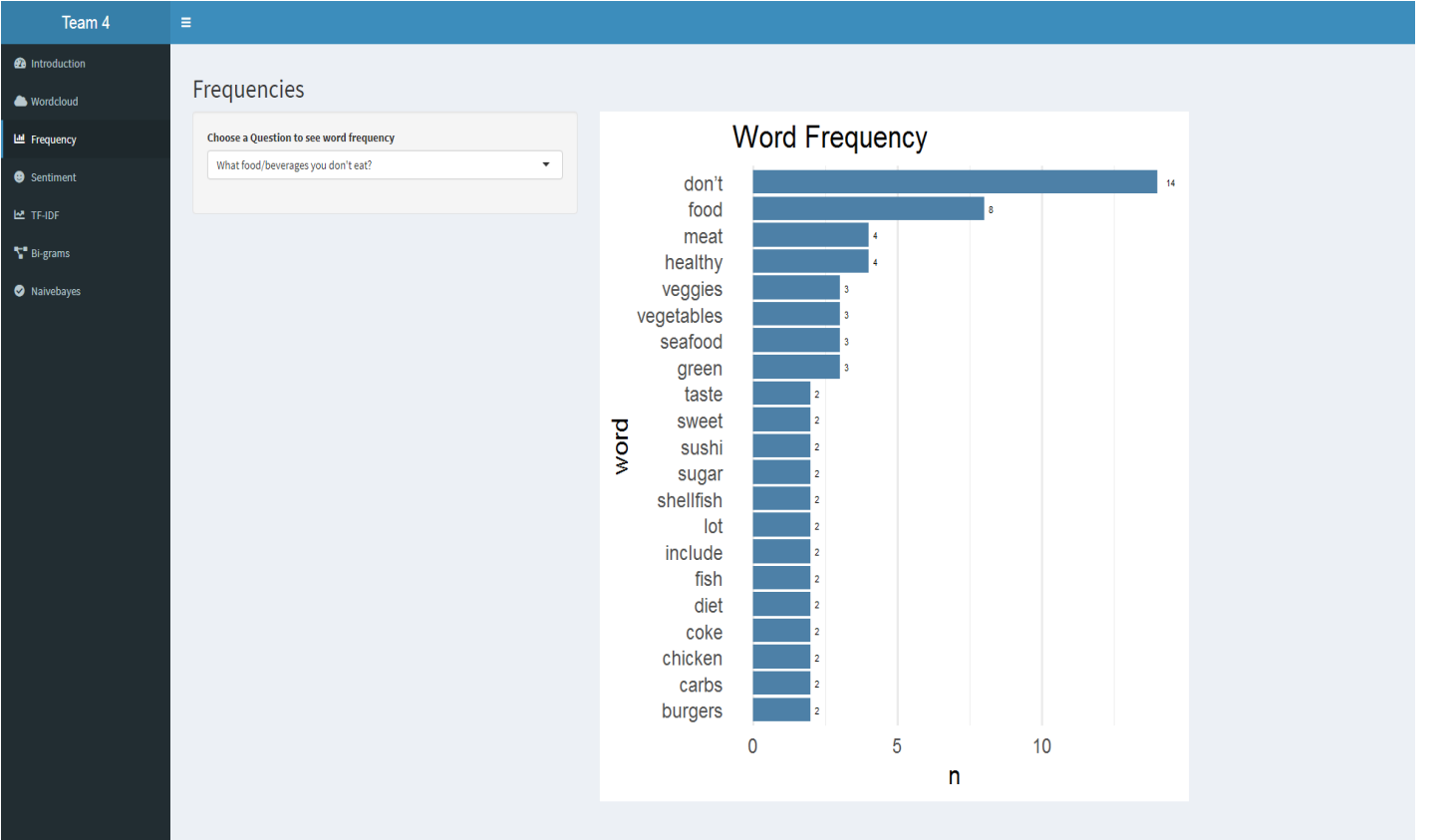
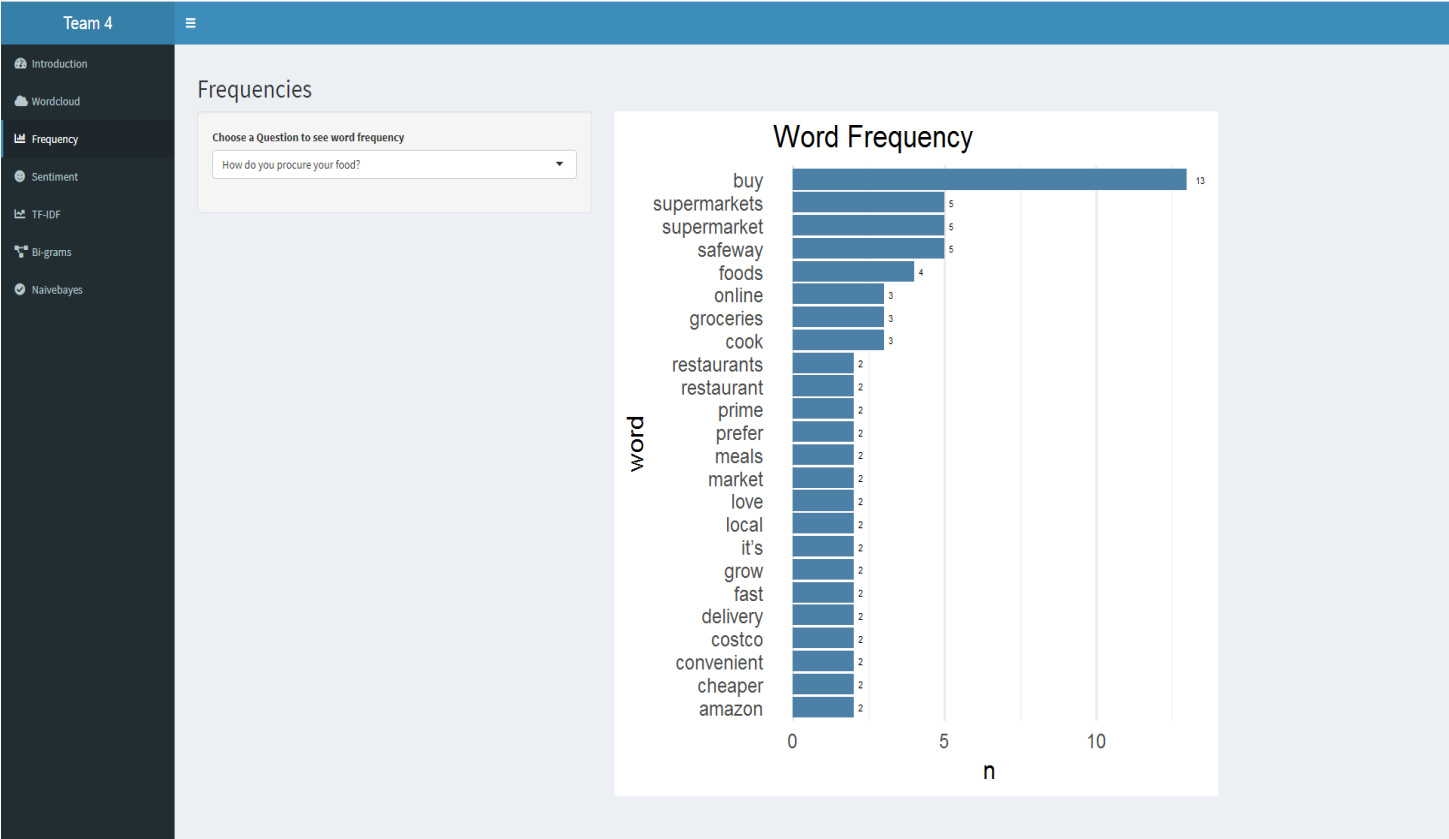
Choose a Question to see word frequency

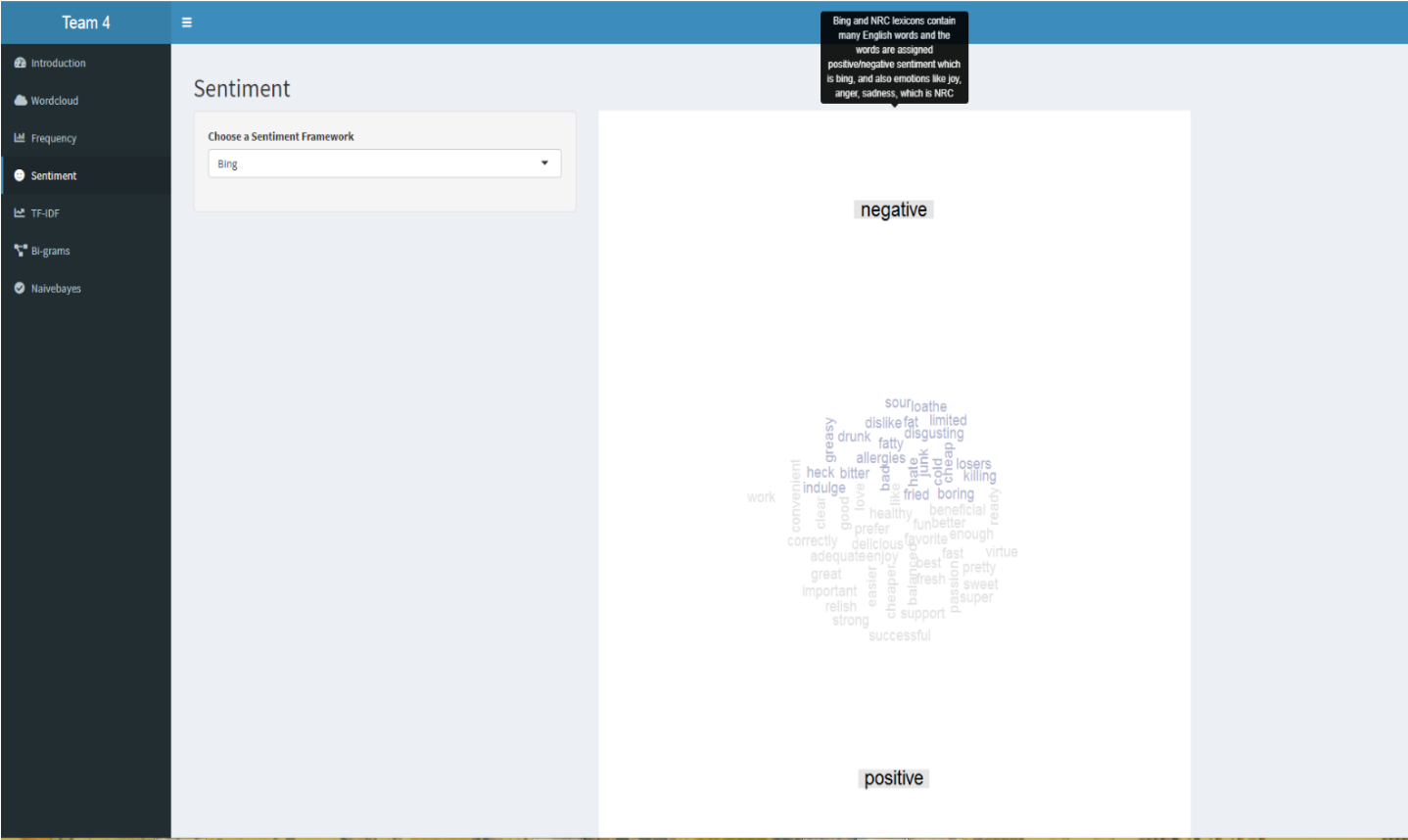
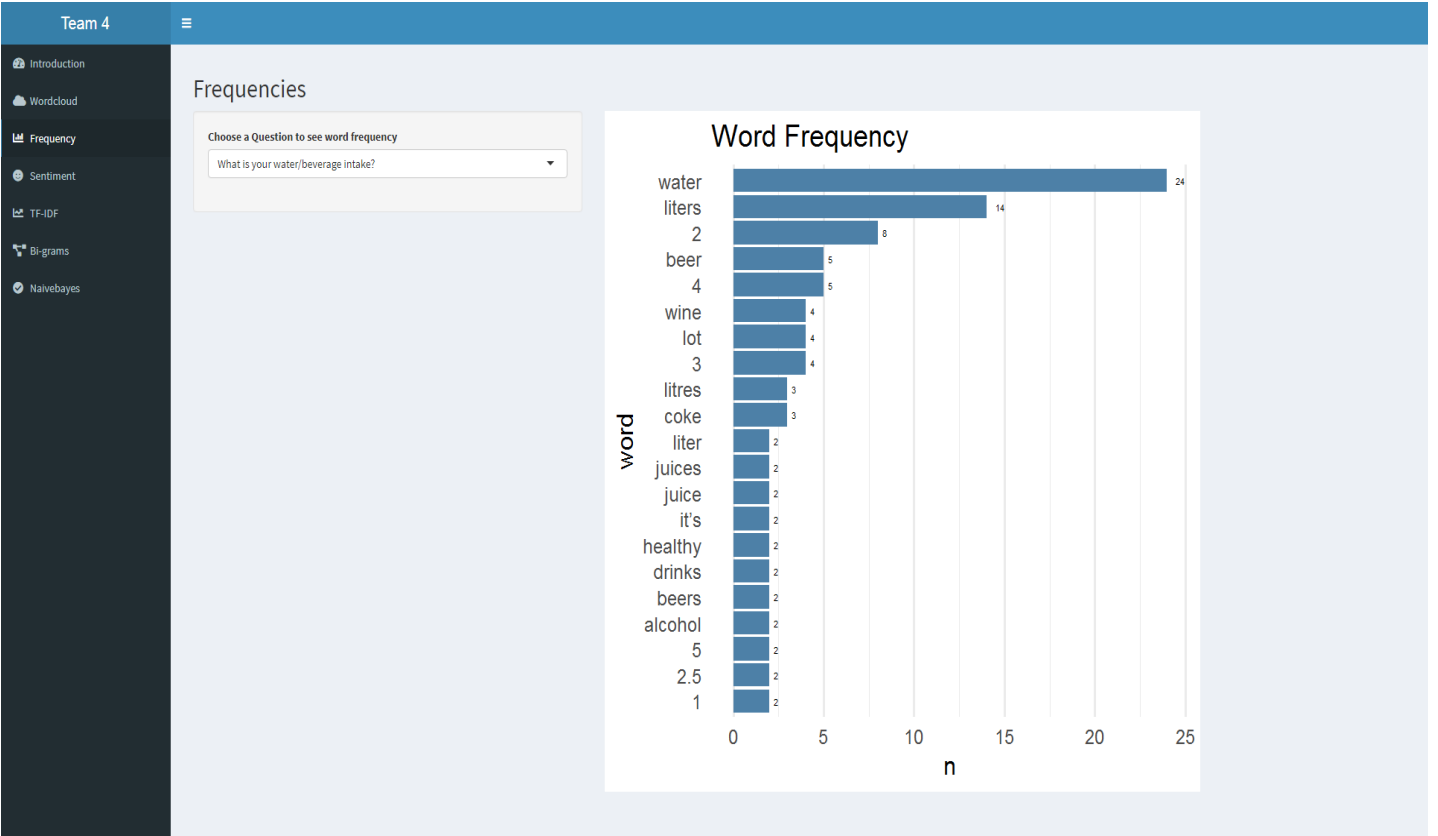
What do you normally eat?

It is a graph that shows how often particular word occurs

Word Frequency

word	n
love	13
pasta	7
meat	7
lot	7
eggs	7
chicken	5
vegetables	4
fruits	4
cheese	4
rice	3
diet	3
balanced	3
veggies	2
types	2
stuff	2
seafood	2
red	2
protein	2
organic	2
life	2
italian	2
indian	2
healthy	2
hate	2
fried	2
favorite	2
fat	2
delicious	2
burger	2
bacon	2





[illegible]

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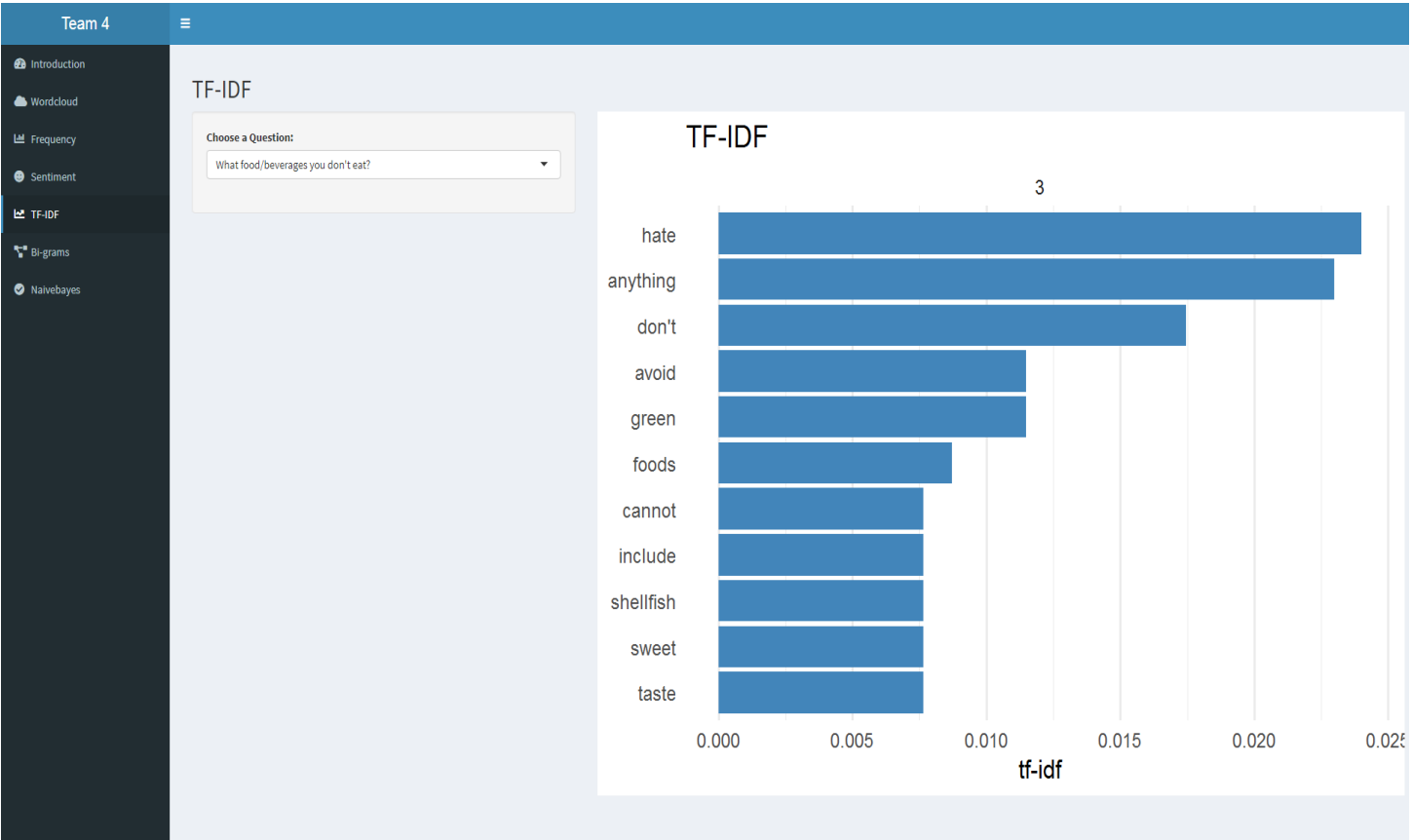
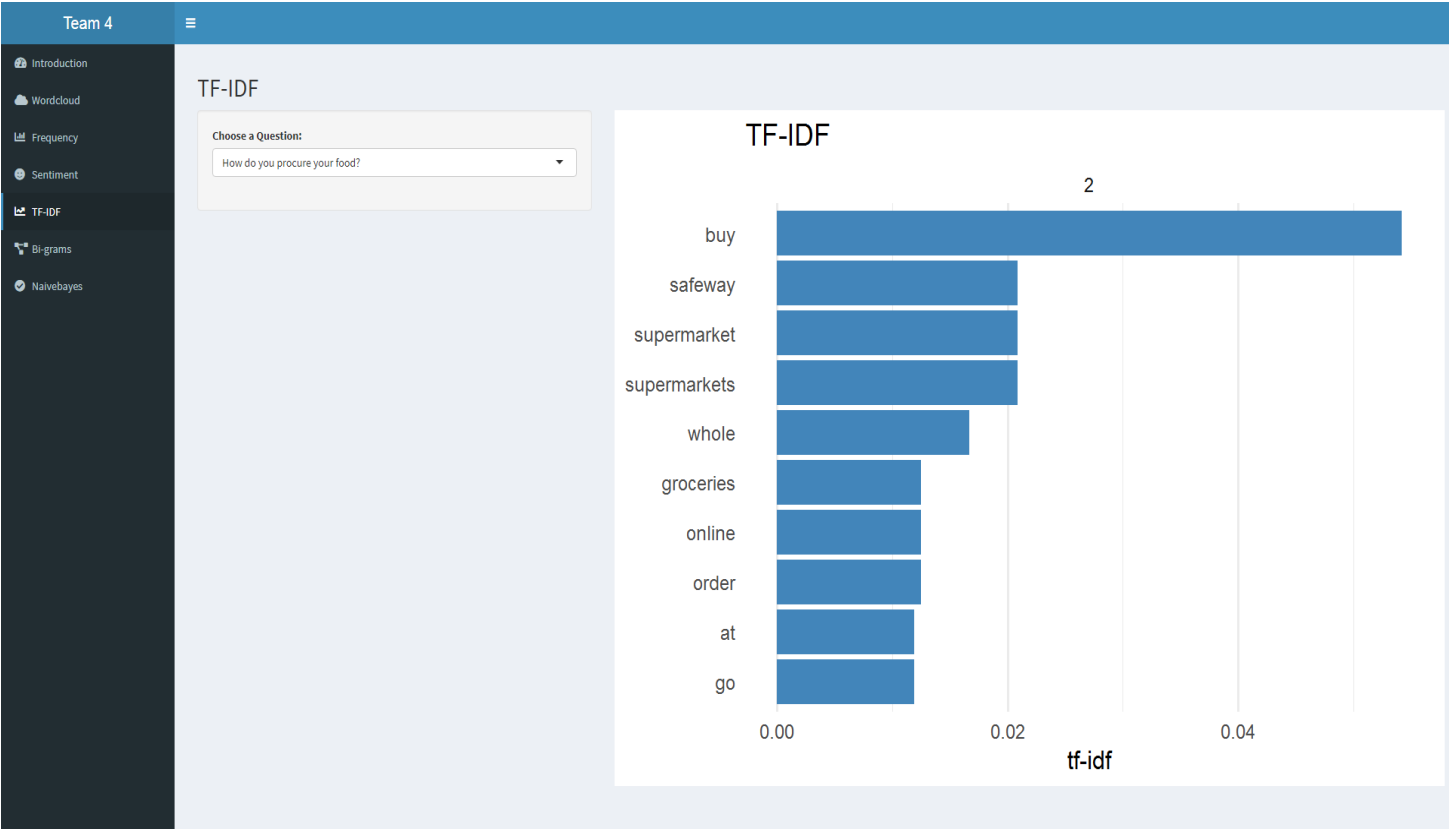
Choose a Question:

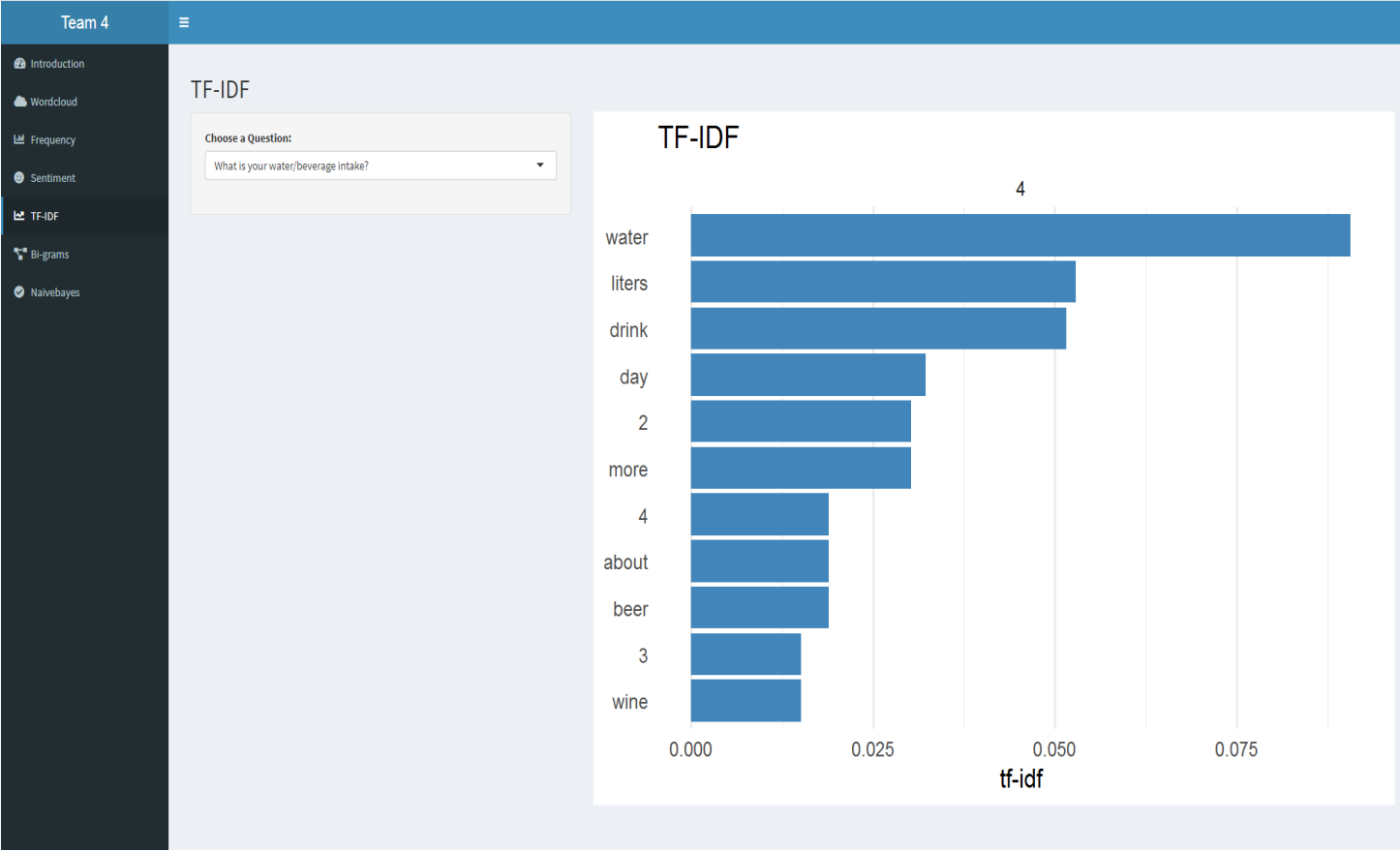
What do you normally eat?

It is a numerical statistic that is intended to reflect how important a word is to a document in a collection or corpus.

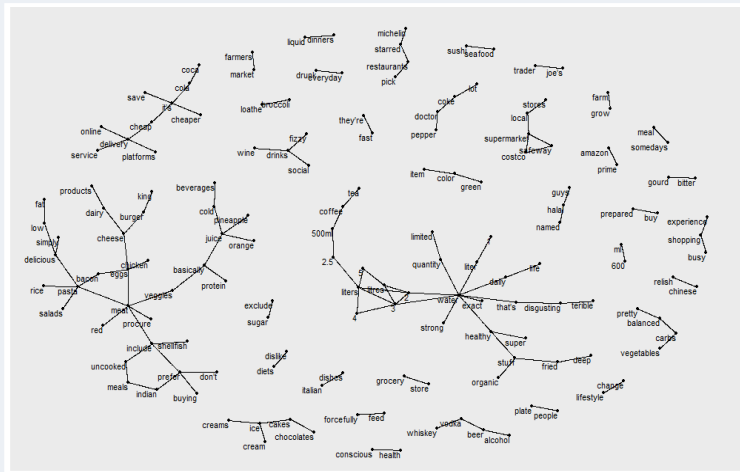
TF-IDF

Food Item	tf-idf Score
eggs	0.025
pasta	0.015
eat	0.013
balanced	0.011
rice	0.011
chicken	0.010
cheese	0.008
fruits	0.008
vegetables	0.008
bacon	0.007
burger	0.007
fat	0.007
indian	0.007
life	0.007
organic	0.007





No



Yes

question	bigram	n	tf	idf	tf_idf
5	dislike diets	1	0.33	1.61	0.54
5	exclude sugar	1	0.33	1.61	0.54
5	lifestyle change	1	0.33	1.61	0.54
4	2 liters	6	0.12	1.61	0.20
4	4 liters	4	0.08	1.61	0.13
2	amazon prime	2	0.07	1.61	0.11
4	1 liter	2	0.04	1.61	0.07
4	3 liters	2	0.04	1.61	0.07
3	bitter gourd	1	0.04	1.61	0.06
3	cakes ice	1	0.04	1.61	0.06
3	chocolates cakes	1	0.04	1.61	0.06
3	coca cola	1	0.04	1.61	0.06
3	coke doctor	1	0.04	1.61	0.06
3	coke lot	1	0.04	1.61	0.06
3	cola it's	1	0.04	1.61	0.06

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Bi-Grams

Do you want tf-idf of bigram?

Yes

question	bigram	n	tf	idf	tf_idf
5	dislike diets	1	0.33	1.61	0.54
5	exclude sugar	1	0.33	1.61	0.54
5	lifestyle change	1	0.33	1.61	0.54
4	2 liters	6	0.12	1.61	0.20
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3	coke doctor	1	0.04	1.61	0.06
3	coke lot	1	0.04	1.61	0.06
3	cola it's	1	0.04	1.61	0.06

A bigram or digram is every sequence of two adjacent elements in a string of tokens, which are typically letters, syllables, or words;

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What do you want your threshold to be?

0.500.570.630.68

What do you normally eat?

Null

What do procure your food?

Null

What do you not eat?

Null

How much is you water/beverage intake?

Null

Naive Bayes is a probabilistic classification algorithm as it uses probability to make predictions for the purpose of classification.

0.52

The AUC score for the model

