Yelp Data Analysis

* [1 Introduction](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#introduction)
* [2 Preparation](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#preparation)
* [3 Business data](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#business-data)
* [4 Reviews data](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#reviews-data)
* [5 Detecting the language of the reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#detecting-the-language-of-the-reviews)
* [6 Most Popular Categories](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#most-popular-categories)
* [7 Top Ten Cities with the most Business parties mentioned in Yelp](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#top-ten-cities-with-the-most-business-parties-mentioned-in-yelp)
* [8 Map of the business parties in Las vegas](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#map-of-the-business-parties-in-las-vegas)
* [9 Business with most Five Star Reviews from Users](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#business-with-most-five-star-reviews-from-users)
* [10 **“Mon Ami Gabi”**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#mon-ami-gabi)
  + [10.1 Useful,funny,cool reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#usefulfunnycool-reviews)
  + [10.2 Word Cloud of Mon Ami Gabi](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#word-cloud-of-mon-ami-gabi)
  + [10.3 Top Ten most common Words of the business **“Mon Ami Gabi”**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#top-ten-most-common-words-of-the-business-mon-ami-gabi)
  + [10.4 Sentiment Analysis - Postive and Not So Postive Words of **“Mon Ami Gabi”**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#sentiment-analysis---postive-and-not-so-postive-words-of-mon-ami-gabi)
  + [10.5 Calculate Sentiment for the reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#calculate-sentiment-for-the-reviews)
  + [10.6 Negative Reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#negative-reviews)
  + [10.7 Positive Reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#positive-reviews)
  + [10.8 Most Common Bigrams of **“Mon Ami Gabi”**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#most-common-bigrams-of-mon-ami-gabi)
  + [10.9 Relationship among words](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#relationship-among-words)
    - [10.9.1 Relationship of words with **steak**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#relationship-of-words-with-steak)
    - [10.9.2 Relationship of words with **french**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#relationship-of-words-with-french)
* [11 **Bacchanal Buffet**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#bacchanal-buffet)
  + [11.1 Word Cloud of **Bacchanal Buffet**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#word-cloud-of-bacchanal-buffet)
  + [11.2 Top Ten most common Words of the business **“Bacchanal Buffet”**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#top-ten-most-common-words-of-the-business-bacchanal-buffet)
  + [11.3 Sentiment Analysis - Postive and Not So Postive Words of **Bacchanal Buffet**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#sentiment-analysis---postive-and-not-so-postive-words-of-bacchanal-buffet)
  + [11.4 Calculate Sentiment for the reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#calculate-sentiment-for-the-reviews-1)
  + [11.5 Negative Reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#negative-reviews-1)
  + [11.6 Positive Reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#positive-reviews-1)
  + [11.7 Relationship among words in Bacchanal Buffet](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#relationship-among-words-in-bacchanal-buffet)
    - [11.7.1 Relationship of words with **crab**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#relationship-of-words-with-crab)
    - [11.7.2 Relationship of words with **food**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#relationship-of-words-with-food)
* [12 Top Ten Business in Toronto](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#top-ten-business-in-toronto)
* [13 **Pai Northern Thai Kitchen**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#pai-northern-thai-kitchen)
  + [13.1 Word Cloud of business **Pai Northern Thai Kitchen**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#word-cloud-of-business-pai-northern-thai-kitchen)
  + [13.2 Ten most common words used in reviews of business **Pai Northern Thai Kitchen**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#ten-most-common-words-used-in-reviews-of-business-pai-northern-thai-kitchen)
  + [13.3 Sentiment Analysis - Postive and Not So Postive Words of **Pai Northern Thai Kitchen**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#sentiment-analysis---postive-and-not-so-postive-words-of-pai-northern-thai-kitchen)
  + [13.4 Calculate Sentiment for the reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#calculate-sentiment-for-the-reviews-2)
  + [13.5 Negative Reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#negative-reviews-2)
  + [13.6 Positive Reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#positive-reviews-2)
  + [13.7 Relationship among words in **Pai Northern Thai Kitchen**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#relationship-among-words-in-pai-northern-thai-kitchen)
    - [13.7.1 Relationship of words with **thai**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#relationship-of-words-with-thai)
* [14 **Chipotle business**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#chipotle-business)
* [15 Chipotle Business in Yonge Street Toronto](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#chipotle-business-in-yonge-street-toronto)
  + [15.1 Word Cloud of business **Chipotle Business in Yonge Street Toronto**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#word-cloud-of-business-chipotle-business-in-yonge-street-toronto)
  + [15.2 Top Ten most common Words of the business **“Chipotle Business in Yonge Street Toronto”**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#top-ten-most-common-words-of-the-business-chipotle-business-in-yonge-street-toronto)
  + [15.3 Sentiment Analysis - Postive and Not So Postive Words of **Chipotle Business in Yonge Street Toronto**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#sentiment-analysis---postive-and-not-so-postive-words-of-chipotle-business-in-yonge-street-toronto)
  + [15.4 Calculate Sentiment for the reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#calculate-sentiment-for-the-reviews-3)
  + [15.5 Negative Reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#negative-reviews-3)
  + [15.6 Positive Reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#positive-reviews-3)
  + [15.7 Relationship among words in Chipotle Business in Yonge Street Toronto](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#relationship-among-words-in-chipotle-business-in-yonge-street-toronto)
* [16 Topic Modelling](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#topic-modelling)
  + [16.1 LDA Function](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#lda-function)
  + [16.2 Topic Modelling for **Mon Ami Gabi**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#topic-modelling-for-mon-ami-gabi)
  + [16.3 Topic Modelling for **Bacchanal Buffet**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#topic-modelling-for-bacchanal-buffet)
  + [16.4 Topic Modelling for **Pai Northern Thai Kitchen**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#topic-modelling-for-pai-northern-thai-kitchen)
* [17 Phoenix City Analysis](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#phoenix-city-analysis)
  + [17.1 Top Ten Business in Phoenix](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#top-ten-business-in-phoenix)
  + [17.2 Topic Modelling for **Phoenix City**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#topic-modelling-for-phoenix-city)
  + [17.3 Word Cloud of **Phoenix City**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#word-cloud-of-phoenix-city)
  + [17.4 Top Ten most common Words of the business **Phoenix City**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#top-ten-most-common-words-of-the-business-phoenix-city)
  + [17.5 Sentiment Analysis - Postive and Not So Postive Words of **Phoenix City**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#sentiment-analysis---postive-and-not-so-postive-words-of-phoenix-city)
  + [17.6 Calculate Sentiment for the reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#calculate-sentiment-for-the-reviews-4)
  + [17.7 Negative Reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#negative-reviews-4)
  + [17.8 Positive Reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#positive-reviews-4)
* [18 **Bobby Q**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#bobby-q)
  + [18.1 Word Cloud of business **Bobby Q**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#word-cloud-of-business-bobby-q)
  + [18.2 Ten most common words used in reviews of business **Bobby Q**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#ten-most-common-words-used-in-reviews-of-business-bobby-q)
  + [18.3 Sentiment Analysis - Postive and Not So Postive Words of **Bobby Q**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#sentiment-analysis---postive-and-not-so-postive-words-of-bobby-q)
  + [18.4 Calculate Sentiment for the reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#calculate-sentiment-for-the-reviews-5)
  + [18.5 Negative Reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#negative-reviews-5)
  + [18.6 Positive Reviews](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#positive-reviews-5)
  + [18.7 Relationship among words in **Bobby Q**](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#relationship-among-words-in-bobby-q)

1 Introduction

This dataset is a subset of Yelp’s businesses, reviews, and user data. It was originally put together for the Yelp Dataset Challenge which is a chance for students to conduct research or analysis on Yelp’s data and share their discoveries. In the dataset you’ll find information about businesses across 11 metropolitan areas in four countries.

A great playground for **Data Analysis**

I am having lots of fun doing **EDA, Text Mining ,Network Analysis and Geospatial Analysis**. Please check out this kernel and hope you will have fun reading this as much as I had creating it.

For a city we spot the most popular business and also provide a map of the city of Las vegas with the business identified as dots in the map. We have analysed **Las Vegas , Toronto and Phoenix**.For Phoenix city, we also do Word Cloud, detailed Sentiment Analysis and Topic Modelling.

For a business we do the following analysis

* Word Cloud of the reviews of the business
* Top Ten most common Words reviews of the business
* Sentiment Analysis - Postive and Not So Postive Words of reviews
* Calculate Sentiment for the reviews
* Negative Reviews
* Positive Reviews
* Most Common Bigrams (*a collection of Two words*) in the review text
* Relationship among words
* Relationship of words with an **important** word in the review such as steak, crab, food
* Topic Modelling of the reviews

The business that we are analysing are

* **Mon Ami Gabi** , a **Las Vegas** Restaurant , the most popular and highly rated restaurants
* **Bacchanal Buffet** , the Second most popular and highly rated **Las Vegas** Restaurant
* **Pai Northern Thai Kitchen** , the most popular **Toronto** restaurant
* **Chipotle Business in Yonge Street Toronto** You guessed it right I like **Chipotle** :-)

**How Sentiment Analysis can help your business ?**

For a business, the **Sentiment Analysis** is very important. If the business owners can just see the Top Ten negative reviews, they can easily find out which aspect of the business they need to improve.

For example, the **Pai Northern Thai Kitchen**, the complaints were about **Service**. Now when we go deeper into the Service complaints, we can find out various aspects of the service complaints such as

* why our waitress seemed to be in such a hurry to get us out of the place.
* This restaurant was crowded and noisy. The tables were packed so closely that I was falling over other diners while maneuvering to my seat
* but their service was God-awful. They rarely attended our table, It took 55 minutes for our food to arrive. They took our drink orders and did not deliver them

Another interesting complaint for the **Chipotle Business in Yonge Street Toronto** was that they did not accept **Interac** , a standard payment method in Canada

Examples involving it are as follows

* Not complying with customers' choice to pay with Interac, a standard payment method in Canada, is also a nuisance
* Only reason it got a 4 star is because they don't accept interac which is my go to.

**How Topic Modelling can help understand your business and city ?**

Topic modelling helps to pick specific topics from the huge volume of text. Topic Modelling on the Three popular restaurants and also on Phoenix City helps us to understand that complaints regarding restaurants and business is around **Service**

2 Preparation

* [2.1 Load Libraries](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#load-libraries)
* [2.2 Read the data](https://www.kaggle.com/code/ambarish/a-very-extensive-data-analysis-of-yelp/report?scriptVersionId=2751126#read-the-data)

Code

3 Business data

Code

|  | business\_id | name | neighborhood | | address | | | city | | state | postal\_code | | | | latitude | longitude | | stars | | | review\_count | | | is\_open | categories |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | |  | |  |  | |  | | |  |  |  | | |  | |  |  | |  |  | | | |
| 1 | FYWN1wneV18bWNgQjJ2GNg | | | "Dental by Design" | |  | "4855 E Warner Rd, Ste B9" | | Ahwatukee | | | AZ | 85044 | 33.3306902 | | | -111.9785992 | | 4 | 22 | | 1 | Dentists;General Dentistry;Health & Medical;Oral Surgeons;Cosmetic Dentists;Orthodontists | | | |
| 2 | He-G7vWjzVUysIKrfNbPUQ | | | "Stephen Szabo Salon" | |  | "3101 Washington Rd" | | McMurray | | | PA | 15317 | 40.2916853 | | | -80.1048999 | | 3 | 11 | | 1 | Hair Stylists;Hair Salons;Men's Hair Salons;Blow Dry/Out Services;Hair Extensions;Beauty & Spas | | | |
| 3 | KQPW8lFf1y5BT2MxiSZ3QA | | | "Western Motor Vehicle" | |  | "6025 N 27th Ave, Ste 1" | | Phoenix | | | AZ | 85017 | 33.5249025 | | | -112.1153098 | | 1.5 | 18 | | 1 | Departments of Motor Vehicles;Public Services & Government | | | |
| 4 | 8DShNS-LuFqpEWIp0HxijA | | | "Sports Authority" | |  | "5000 Arizona Mills Cr, Ste 435" | | Tempe | | | AZ | 85282 | 33.3831468 | | | -111.9647254 | | 3 | 9 | | 0 | Sporting Goods;Shopping | | | |
| 5 | PfOCPjBrlQAnz\_\_NXj9h\_w | | | "Brick House Tavern + Tap" | |  | "581 Howe Ave" | | Cuyahoga Falls | | | OH | 44221 | 41.1195346 | | | -81.4756898 | | 3.5 | 116 | | 1 | American (New);Nightlife;Bars;Sandwiches;American (Traditional);Burgers;Restaurants | | | |
| 6 | o9eMRCWt5PkpLDE0gOPtcQ | | | "Messina" | |  | "Richterstr. 11" | | Stuttgart | | | BW | 70567 | 48.7272 | | | 9.14795 | | 4 | 5 | | 1 | Italian;Restaurants | | | |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

4 Reviews data

A glimpse of the reviews data

Code

## Observations: 5,261,668

## Variables: 9

## $ review\_id <chr> "vkVSCC7xljjrAI4UGfnKEQ", "n6QzIUObkYshz4dz2QRJTw"...

## $ user\_id <chr> "bv2nCi5Qv5vroFiqKGopiw", "bv2nCi5Qv5vroFiqKGopiw"...

## $ business\_id <chr> "AEx2SYEUJmTxVVB18LlCwA", "VR6GpWIda3SfvPC-lg9H3w"...

## $ stars <dbl> 5, 5, 5, 4, 4, 5, 4, 4, 3, 5, 4, 3, 1, 3, 5, 4, 1,...

## $ date <date> 2016-05-28, 2016-05-28, 2016-05-28, 2016-05-28, 2...

## $ text <chr> "Super simple place but amazing nonetheless. It's ...

## $ useful <dbl> 0, 0, 0, 0, 0, 1, 0, 1, 1, 3, 1, 5, 9, 2, 2, 0, 0,...

## $ funny <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0,...

## $ cool <dbl> 0, 0, 0, 0, 0, 0, 2, 0, 0, 0, 0, 1, 1, 1, 1, 0, 0,...

5 Detecting the language of the reviews

Detecting the language of the first Ten reviews.

Code

## [1] "english" "english" "english" "english" "english" "english" "english"

## [8] "english" "english" "english"

6 Most Popular Categories

The most popular categories of business are plotted in the bar plot

Code

A graph with a bar graph

Description automatically generated

7 Top Ten Cities with the most Business parties mentioned in Yelp

We show the Top Ten Cities which has the most Business parties mentioned in Yelp

Code

A graph with orange bars

Description automatically generated

8 Map of the business parties in Las vegas

Seems from the map that most of the business is in the neighborhood of **The Strip** in Las Vagas.

From Wikipedia

The Las Vegas Strip is a stretch of South Las Vegas Boulevard in Clark County, Nevada that is known for its concentration of resort hotels and casinos. The Strip is approximately 4.2 miles (6.8 km) in length,[1] located immediately south of the Las Vegas city limits in the unincorporated towns of Paradise and Winchester.

Code

A map with a route

Description automatically generatedA map of a neighborhood

Description automatically generatedA map of a mountain range

Description automatically generatedA map of a city

Description automatically generatedA map of a train track

Description automatically generatedA map of a golf club

Description automatically generatedA map of las vegas

Description automatically generatedA map of a mountain range

Description automatically generatedA map of an airport

Description automatically generatedA map of a town

Description automatically generatedA map of a city

Description automatically generatedA map of a valley

Description automatically generatedA map of a city

Description automatically generatedA map of a mountain

Description automatically generatedA close-up of a map

Description automatically generatedA map of a mountain range

Description automatically generatedA map of a city

Description automatically generated

[**+-**](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

[Leaflet](http://leafletjs.com/) | Tiles © Esri — National Geographic, Esri, DeLorme, NAVTEQ, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, iPC

9 Business with most Five Star Reviews from Users

The following plot shows the names of business with the most Five Star Reviews.**Mon Ami Gabi** and **Bacchanal Buffet** are the Two most popular restaurants from the Yelp reviews with **Five Star** ratings. We will do a deep dive for these restaurants.

Code

A graph with orange bars

Description automatically generated

10 **“Mon Ami Gabi”**

The location and category of the most liked business **Mon Ami Gabi** is shown below

Code

|  | name | neighborhood | city | | state | | postal\_code | | | categories | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | |  | |  | |  |  | |  |  |
| 1 | | | | "Mon Ami Gabi" | | The Strip | | Las Vegas | NV | | 89109 | French;Steakhouses;Restaurants;Breakfast & Brunch |

10.1 Useful,funny,cool reviews

The following plot describes the number of **Useful, Funny and Cool** reviews.Most of the reviews are NOT useful , funny or cool.

Code

A graph with orange bars

Description automatically generated

Code

A graph with a yellow line

Description automatically generated

Code

A graph with numbers and lines

Description automatically generated

10.2 Word Cloud of Mon Ami Gabi

A word cloud is a graphical representation of frequently used words in the text. The height of each word in this picture is an indication of frequency of occurrence of the word in the entire text. The words steak, service, vegas,french,patio,bellagio,delicious, nice are the words which have been used very frequently in the **reviews**.Note that if we choose a word which is not food related , it is **Service** and we will see in the subsequent sections of sentiment analysis and topic modelling , why this keyword is important.

Code

A close-up of words

Description automatically generated

10.3 Top Ten most common Words of the business **“Mon Ami Gabi”**

We examine the Top Ten Most Common words and show them in a bar graph. The words steak, service, vegas,french,patio,bellagio,delicious, nice are the words which have been used very frequently in the **reviews**.

Code

A graph with orange bars

Description automatically generated

10.4 Sentiment Analysis - Postive and Not So Postive Words of **“Mon Ami Gabi”**

We display the Positive and Not So Positive words used by reviewers for the business Mon Ami Gabi.We have used the **AFINN sentiment lexicon**, which provides numeric positivity scores for each word, and visualize it with a bar plot.

Breathtaking,funnier,fun,fantastic,fabulous,ecstatic,brilliant,awesome,amazing are some of the postive words that we have seen in the reviews of the business.

Code

A graph with red and blue squares

Description automatically generated

10.5 Calculate Sentiment for the reviews

We calculate the sentiment scores for all the reviews using the **AFINN sentiment lexicon**. We display the Top Six sentiments here.

Code

## # A tibble: 6 x 3

## review\_id sentiment words

## <chr> <dbl> <int>

## 1 \_1XPTEzPVMoRkhVwOjVJ9g 1.30 23

## 2 \_3EPByOAmNyX1enMV5EJFA 2.40 15

## 3 \_3pnt6kJnptmMY2NoIspuw 1.70 10

## 4 \_43hPBEjsPp4oYxcC9ieCQ 0 10

## 5 \_47c2Tfu5LgwQdNo5U5mEA 1.92 12

## 6 \_4cCqegNQ0hVm35WOMO2ZA 1.77 13

10.6 Negative Reviews

We examine the Top Ten most negative reviews. The complaints were about **Service**. An excerpt of the Service Complaints is provided below

* Worst service ever. Didn't pay attention to our orders at all so we had to send most of the food back
* The server ignored us twice when we are talking to him. Threw the dishes instead of placing them on the table
* The service was mediocre and the food was terrible
* Food was OK, but service was terrible. Our server never came back to our table to check if we need another drink, water, bread, etc. We had to get somebody else's attention for our need. At the end, they included 18% tipping which is their policy for 5 or more people

Code

|  | | date | | sentiment | | text |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | |  | |
| 1 | 2015-12-27 | | -1.33333333333333 | | This is the most horrible restaurant in the strip. Really bad service , the wine was warm .. The waiter was super rude .. And the ladies on the entrance when we reported what happens they just stay quite. Horrible. Food also expensive and really bad | |
| 2 | 2016-10-29 | | -1.36363636363636 | | Couldn't have been more disappointed....we came here back in January and had Billy as our server and the service plus food was exceptional. Last night we came in for my husbands 40th and we flew in just to eat here and our server RUINED the evening. His pretentious, rude, miserable personality put a huge damper on the meal and I hope whatever is stuck up his old miserable ass gets stuck further when he hopefully gets kicked out of the door of this place. I'm so sad that this place is now tainted by this experience. | |
| 3 | 2015-11-15 | | -1.4 | | Despite the raving reviews posted here, we had a less than enjoyable time for our anniversary dinner. Most of it was spoiled by our waitress, who was too bossy at the table with my wife and acted impatient. She brought us a plate of the full mussel dish that had become cold. had to send it back... And then made to feel bad about it. As we were walking out she mentioned that she had forgotten to bring us something for our celebration... But in an off handed way to make us feel bad. unfortunately I would not recommend this for anyone. | |
| 4 | 2013-12-03 | | -1.4 | | The first time I went was with a large group and we all loved our server and the food. And the Bloody Mary bar. The second time I went with a small group. Hated the flavourless cold soggy steak sandwich and the totally clueless server. Everything he described - based on which we ordered - was just wrong. Not even close to real. I'd say skip it and find someplace else. | |
| 5 | 2017-04-01 | | -1.5 | | Worst food I ever had. Complained to the staff, they were rude. Called the manager over, he was even more rude and basically didn't believe me that the food was bad. Needless to say, I ended up in urgent care and was sick all night long. Never coming back here again. The only thing French about this restaurant is the attitude of its staff. | |
| 6 | 2012-04-20 | | -1.57142857142857 | | Worst service ever. Didn't pay attention to our orders at all so we had to send most of the food back. Steaks were over cooked with wrong sauces, etc... Offered us free deserts because he screwed up so much, then only comped one and charged us for the second one. Unbelievable.... | |
| 7 | 2015-12-06 | | -1.83333333333333 | | Since the high rating, we chose this place as the first meal after a long drive to Las Vegas. However, we had very terrible experience here. I will never come back again. The MOST HORRIBLE SERVICE that I have seen. The server ignored us twice when we are talking to him. Threw the dishes instead of placing them on the table. Never came to add more water and i couldn't have them to do so since they always ignored us. However, it was interesting that they could always saw the tables behind and next us and knew what they needed. The worst restaurant that I will never ever come back again. | |
| 8 | 2013-01-20 | | -2 | | The hubby and I decided to have a late brunch here after seeing the 4 star Yelp rating. Big mistake! We had a reservation and did not have to wait for a table, however, we were seated next to the doorway and it was terribly breezy. The service was mediocre and the food was terrible. The bread that came out in the beginning of our meal was stale and the butter was too cold to spread. I ordered the chicken and brie sandwich and my husband ordered the mac n' cheese. My sandwich was flavorless and the chicken was tough. The fries that came with my sandwich were soggy. My husbands mac n' cheese was not seasoned well and runny. Overall, bad experience and I will not be dining here next time I'm in Vegas! | |
| 9 | 2016-04-19 | | -2 | | Just left this place quite disappointed. My party and I sat and waited to be served early on a Friday morning for breakfast. After 15 minutes of waiting with no waiter in sight, I looked around me and noticed that the couple who had come in right before us were already eating! The service staff had not even taken our order! I walked out, tired of waiting, and none of the staff bothered to inquire as to what made our party of five walk out the door. Their staff is quite apathetic, take your business elsewhere | |
| 10 | 2011-01-16 | | -2.4 | | Food was OK, but service was terrible. Our server never came back to our table to check if we need another drink, water, bread, etc. We had to get somebody else's attention for our need. At the end, they included 18% tipping which is their policy for 5 or more people. We just wanted to let them know she did not provide us service enough for 18% tipping. When we called the manager, he was worse. He said, "did you get your food? did you get your drink? then what is your problem? I am missing your point". Four of my friends came from Japan. They totally ruined our time. | |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

10.7 Positive Reviews

We examine the Top Ten most positive reviews.

Code

|  | | date | | sentiment | | text |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | |  | |
| 1 | 2011-04-28 | | 3.66666666666667 | | This place is amazing!!! Food is superb and the customer service is out of this world. After a seating mix up the hostess reseated us in the best seat in the whole restaraunt with an amazing view of Bellagios. I had the skate that was delicious, and my mother had the infamous onion soup. The escargots were the best I ever had and I will be craving them all week. Definitely one of the best places in Sin City to eat. The whole experience was breath taking. | |
| 2 | 2017-02-27 | | 3.6 | | Wonderful. This was my second time there. Great food. Amazing service. Got the seafood crepe, which came with scallops and shrimp. Shrimp was on dry side, but the scallops were perfect. Ordered the bananas foster bread pudding, which was amazing. Would definitely go back for a third if I'm ever in Vegas again. | |
| 3 | 2012-08-27 | | 3.6 | | Second time here - this time with the Wife and Son. The wait for an awesome outside table (actually on the border of the inside dining room and outside patio) was terrific - great people watching spot and view of the Bellagio fountain. Great service, company and food was on target - the waiter let the wife order off the lunch menu, I had steak and frites and son had the scallops - all fantastic. | |
| 4 | 2015-11-30 | | 3.6 | | Came here for 8am breakfast on Monday. Beat the crowds and get excellent service. First time here and noticed the excellent food with a nice European atmosphere and wonderful service. There were so many choices available including non-breakfast items. Had the blueberry waffles which were very crispy and stayed crispy until I was done. My partner had the smoked salmon Benedict that was superb. The mimosa was ok. Forewarned that drinks are pricey. | |
| 5 | 2017-01-18 | | 3.6 | | Amazing restaurant- decor and food is just outstanding. Get the French onion soup - it's the best. I ordered the hanger steak and it may have just been the best meal of the year. Go here soon! Great for a group or romantic night out. | |
| 6 | 2017-11-08 | | 3.6 | | What a view! Sit outside on the patio and watch the bellagio fountains. We had a wonderful meal. Started with escargot, French onion soup and ended with steak frites with brandy peppercorn sauce. Wow! Just wow. It was melt in your mouth and the frites were perfect. Service was good, meal decently priced for Vegas | |
| 7 | 2012-03-20 | | 3.6 | | Many restaurants in Vegas has such an indoor feel....and the attention is on keeping you inside a casino or design elements. But my experiences in France are all otherwise. This place is fun for that reason. The decor is fun and the patio allows for more the cafe or brasserie experience. The wife and I escaped a group and happened upon this place and were pleasantly surprised. Not the best french I have had by any means, but cocktails helped make it a fun lunch. The frisee salad with a poached egg was nice, and so was the Salmon with spinach. | |
| 8 | 2015-06-28 | | 3.57142857142857 | | This place has one of the best steaks in Las Vegas for the price, whenever I have someone visiting from out of town this is on my list of places I have to take them, the view on the patio is absolutely breathtaking and you'll catch the Bellagio fountains at least a couple times during your dinner which is fantastic if you aren't used to them, but the best part about this place is definitely the steak I highly recommend the peppercorn one I order it every time and it is absolutely amazing! Their steak frites are AMAZING!!! I literally try to bring everybody that is visiting Las Vegas here! I would give it 10 stars if I could | |
| 9 | 2012-07-29 | | 3.5 | | Food here is amazing - and for the Las Vegas strip prices are reasonable. They have a full bar and a good wine list. We loved their onion soup; mussels; steak; and their crepes for desert. All in all the service was superb. Great views of the Belagio Fountains.....and just in general watching the traffic and people walking by.... Its a great place for either an enjoyable meal with friends or a romantic dinner out. | |
| 10 | 2016-04-19 | | 3.5 | | Service was awesome and amazing seat placement for my group for my friend's bday dinner. We sat by the terrace overlooking the bellagio fountain, which was also amazing. We are locals here, and as a local--mon ami is one of the go-to places for a wonderful time with quality grade food. I had the escargo and delicious mix of their own version to the Moscow mule, and I definitely recommend both! It's a great place to mix pleasure and business and a whole lotta fun! | |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

10.8 Most Common Bigrams of **“Mon Ami Gabi”**

A Bigram is a collection of Two words. We examine the most common Bigrams and plot them in a bar plot.

Code

## # A tibble: 10 x 2

## bigram review\_id

## <chr> <chr>

## 1 again my \_0IY4DAS5x2JcoZdHE-c7g

## 2 my favorite \_0IY4DAS5x2JcoZdHE-c7g

## 3 favorite vegas \_0IY4DAS5x2JcoZdHE-c7g

## 4 vegas resturaunt \_0IY4DAS5x2JcoZdHE-c7g

## 5 resturaunt directly \_0IY4DAS5x2JcoZdHE-c7g

## 6 directly across \_0IY4DAS5x2JcoZdHE-c7g

## 7 across from \_0IY4DAS5x2JcoZdHE-c7g

## 8 from the \_0IY4DAS5x2JcoZdHE-c7g

## 9 the bellagio \_0IY4DAS5x2JcoZdHE-c7g

## 10 bellagio fountains \_0IY4DAS5x2JcoZdHE-c7g

Code

A graph showing a bar chart

Description automatically generated

10.9 Relationship among words

We explore the different relationship among the various words in Mon Ami Gabi reviews here through a network graph

Code

A group of blue dots

Description automatically generated

10.9.1 Relationship of words with **steak**

The following network diagram shows the words associated with the word **steak**

Code

A network of lines and dots

Description automatically generated

10.9.2 Relationship of words with **french**

The following network diagram shows the words associated with the word **french**

Code

A network of lines and dots

Description automatically generated

11 **Bacchanal Buffet**

The location and category of the most liked business **Bacchanal Buffet** is shown below

Code

|  | name | neighborhood | | city | state | | postal\_code | | | categories | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | |  | | |  | |  |  | |  |  |
| 1 | | | "Bacchanal Buffet" | | | The Strip | | Las Vegas | NV | | 89109 | Sandwiches;Buffets;Restaurants;Breakfast & Brunch;Food |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

11.1 Word Cloud of **Bacchanal Buffet**

Code

A close-up of a buffet

Description automatically generated

11.2 Top Ten most common Words of the business **“Bacchanal Buffet”**

We examine the Top Ten Most Common words and show them in a bar graph.

Code

A graph with orange bars

Description automatically generated

11.3 Sentiment Analysis - Postive and Not So Postive Words of **Bacchanal Buffet**

We display the Positive and Not So Positive words used by reviewers for the business Bacchanal Buffet.We have used the **AFINN sentiment lexicon**, which provides numeric positivity scores for each word, and visualize it with a bar plot.

Code

A graph with red and blue squares

Description automatically generated

11.4 Calculate Sentiment for the reviews

We calculate the sentiment scores for all the reviews using the **AFINN sentiment lexicon**. We display the Top Six sentiments here.

Code

## # A tibble: 6 x 3

## review\_id sentiment words

## <chr> <dbl> <int>

## 1 \_-tAHyiQdTBmCMAeHvsHfw 0.857 7

## 2 \_0BgjcAAq5jLX98iW0bZXA -1.00 5

## 3 \_0T4Bt\_8D-CmuRzJxlrEgg 1.69 16

## 4 \_1aU5ba\_I8hKefJYIDOB9A 2.50 8

## 5 \_29NRb-yz38lfoF1\_TdaDQ 1.50 6

## 6 \_5CwHXXVGNjGElnrhJ1SHw 1.37 59

11.5 Negative Reviews

We examine the Top Ten most negative reviews.We examine the Top Ten most negative reviews. The complaints were about **Service,waiting,decor**. An excerpt of the Service Complaints is provided below

* this place sucks so fucking bad. We are waiting in line for almost one hour. They only let VIP members taking the available sits as soon as possible
* Stupid system!!!! Their ticketing idea sucks and defeats the purpose of having it at all!!!
* Service sucks! Server didn't even bother to check our table. I have to set a side my dirty plates on the other side of my table to be able have a space on our table

Code

|  | | date | | sentiment | | text |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | |  | |
| 1 | 2014-08-25 | | -1.8 | | Breakfast, nothing worse than cold eggs, cold french toast , would have been better off at a Dennys, not sure how you can mess up breakfast so bad. We even got another plate thinking it was just cold first time. Nope , all bad | |
| 2 | 2016-06-21 | | -1.8 | | Rosemaria working in the front provided terrible customer service. Not did she look miserable the entire time, she gave our party (platinum members) attitude. We gave her our ticket and waited to be seated and she lost our ticket momentarily ... Making us wait even longer. While we waited about 6-7 parties seated in front of us. Terrible! The food is good otherwise. | |
| 3 | 2014-12-23 | | -1.8 | | Well I never expected to give this buffet a bad review but my experience going to try it did not work out as I had hoped or expected. It was a weeknight at 8:30pm when we got there with a party of three. The line was long, just passed the first hostess stand. I went to the kiosk to "put our name in" and it said to come back at 9pm. We got in the line that wasn't moving and the host lady came through the line looking at everyone's ticket. When she got to us she told us to get out of line and come back at 9pm. That doesn't make sense because by the time we would pay it would have been at least 9pm. AND the couple in front us had a ticket that said 8:55pm. So she asked us to get out of line when the people in front of us has a ticket with a 5 minute difference but they were ok. The lady was so rude, she was short, older, with short gray hair. We were so disgusted by her rudeness that we left and didn't even eat there. When you are asking people to pay almost $60 for a buffet you should at least treat them nicely. | |
| 4 | 2014-10-13 | | -1.83333333333333 | | I have no idea how this buffet tastes because their system is awful. We showed up at 7:20 on a Sunday night to have time for a 10:00pm show at the same hotel. We had to put our name in a digitized system to come back and pay at 8:23 - the system absolutely was pointless. We waited until 8:40 to be told we wouldn't be seated until 9:15 most likely, and for a party of two there was nothing they could do. If they had said the wait would be an hour longer than our time to pay we wouldn't have wasted our time, but we ended up instead with a very irritating experience. 0 stars if it was possible for this. | |
| 5 | 2015-11-27 | | -1.83333333333333 | | One of the most incompetent setups I've ever experienced for their Thanksgiving brunch. They created an 'Express Lane' in which you could be "seated faster" if you paid an extra $25. I went for that. Got in line around 2:45pm. The line only slightly moved over the next 15 minutes because people were getting out of line out of frustration. At 3pm we were told it would be about 20 minutes. 35 minutes after that we were told it would be another 10-15 minutes. I was only second in line during this entire process. Then somebody came around at about 3:40pm to say they weren't accepting express lane tickets. People started complaining (obviously -- we'd been standing in line for close to an hour at this point) so they allowed us to remain in the express lane (that didn't move). For another half an hour the "EXPRESS" line didn't move as the regular line moved past. At 4:25pm they took my money ($118 -- they still charged me an express fee) and sent me to another line. Around 4:40pm I still stand in line waiting to be seated after spending $118 on lunch. Hey, Caesar! F U! Your hotel is past it's prime and I won't be back. Oh, and ditch the 'Express Lane' you incompetent twats because you F'ing bozos don't know how to execute it! I mean, honestly guys, that was BAD BUSINESS. | |
| 6 | 2016-02-25 | | -2 | | Simply disgusting. We went there yesterday night at 6:30PM and the line wasn't too bad,30 mins. We paid 170 (included tax, open bar and tip) for 2 people. The service wasn't bad but really fast and impersonal. The food was the major disappointment: bad quality and all cold, the only decent thing were the dessert. Just a place for turist with that money you can go eat everywhere else on the strips with a better quality. | |
| 7 | 2016-07-10 | | -2 | | Absolutely terrible, low class, and rude customer service! The staff\/hostesses at the entrance were lost and confused and took forever to seat us, then as we exit they disrespected us regarding a minor misunderstanding. We are Vegas locals for 16 years and this has been the absolute worst experience we have had. My family and I are very offended by their unprofessional attitude. We paid $50 per person for terrible service and mediocre food. There are definitely much better buffets in town, especially for seafood lovers. We will never return to this one! | |
| 8 | 2016-12-22 | | -2.125 | | dont believe those 4,5 stars. this is a bad place to eat. the decor is dark and dirty. yes it's dirty, to the point that youll lose your appetite by seeing the walls and floor. foods are all low quality, lack of tastes, salty, nasty. just garbage foods all around. you are spending 56$ for food that are worse than fastfood. terrible. | |
| 9 | 2017-03-16 | | -2.2 | | Service sucks! Server didn't even bother to check our table. I have to set a side my dirty plates on the other side of my table to be able have a space on our table. They give us 2 silverware set up, but we are party of 5! I ask the server to give us more silverware took so long to have it! Considering that it's not even busy! The first server who gave us the 3 more set of silver then there's another server who was in front of our table and start arguing who is taking a early out! Very unprofessional! Very disappointed! | |
| 10 | 2014-11-30 | | -2.2 | | Stupid system!!!! Their ticketing idea sucks and defeats the purpose of having it at all!!! Do not think that u have marginal wait time from it, everyone came back after 2+ hrs only to find out that there is 90 more min of wait before u can be seated!! Stupid people, stupid system, stupid management!!! Be wise and stay away!!! | |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [2](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

11.6 Positive Reviews

We examine the Top Ten most postive reviews.

Code

|  | | date | | sentiment | | text |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | |  | |
| 1 | 2017-10-07 | | 4 | | My husband and I have lived in Vegas for 12 years and had never been to this buffet. We decided to try it out as a celebratory dinner for our wedding anniversary. Can I just say it was absolutely amazing! The food was on point and delicious. The desserts were so delectable and delicious. Fred Stone, Chef Nicholas and their staff were outstanding! I can not say enough about how great our experience was. I would definitely reccomend this buffet a million times over to anyone who is looking for an awesome selection of entrees as well as wonderful service. | |
| 2 | 2014-01-31 | | 3.42857142857143 | | This Buffet was very good the design inside was amazing i love the look of the different sections. I only give it 3 stars because overall the food was good it didn't WOW me. But for the dessert section the sweets were amazing i probably tried everything there...it was so yummy. I would come back again but i just feel this buffet is overpriced. | |
| 3 | 2014-07-29 | | 3.4 | | I ate here several days ago for lunch. This was probably my 5th time here. It was so over the top for a lunch buffet I had to post this. Some of the items that were really just awesome were. Beef Ribs Prime Rib Lobster with a cream sauce on a biscuit Large Cocktail shrimp Raw Oysters Crab Claws These were just some of the items and there were many,many more. The attention to the quality of the food was outstanding. It was not just a lot of food but a lot of great food. My only issue was I only could try so much. At this point I have tried many of the Las Vegas large hotel buffets. Hands down this is the best, it blows away the rest. | |
| 4 | 2012-12-12 | | 3.28571428571429 | | All I can really say is WOW. We never go to buffets but after seeing all the reviews I had to try this place. I was very impressed. The food was great and the staff was excellent. I really couldn't have been more pleased from the crab legs to the hand carved slab bacon and unlimited champagne it was a awesome brunch (and a great deal too). | |
| 5 | 2014-10-27 | | 3.2 | | Awesome Buffet really good food, great desert bar and nice atmosphere, probably the best buffet in Las Vegas...... | |
| 6 | 2017-05-09 | | 3.2 | | Delicious and wide variety of food. Loved every bit of it. Everything tasted so good and I would love to come back. If you love seafood then you should definitely try the buffet here when in Vegas. A disclaimer too after having such amazing food you will not be hungry for the rest of the day | |
| 7 | 2016-03-12 | | 3.18181818181818 | | The buffet was better in 2014 than today. I went there twice recently. I expect to be blown away for the price, which is reasonable given the quality and quantity of food. I wasn't blown away this time. The cold seafood appetizers aren't as good as I remembered in the past. The cold shrimp and cocktail sauce, however, are still terrific. They didn't have the risotto in the Italian station like they did before. Why not? It used to be so good! The pork belly with polenta and balsamic was terrific, but they don't offer it consistently. Why not? The sushi dishes are meh, but the duck is outstanding. Be sure to try the outstanding juices at the Mexican station. The dessert station, at least, is consistent. Go for the made-to-order crepes. I also like the strawberry-flavored marshmallows and the creme brulee. The service, at least, is still excellent. Take care of your servers! | |
| 8 | 2014-03-27 | | 3.16666666666667 | | I am definitely fan!!! the customer service is great and the idea of never ending amazing good quality food is wonderful!! YOU GET ALL THIS ONCE you get through the 2 hour line... Worth it though if you have the patience to wait. \*\* try going at 1 30 because by the time you get through the semi long line at that time it will be 230 and at that time is it lunch still BUT you get lunch price and 30 min later dinner is served and dinner line is already formed by the time you are paying!(: | |
| 9 | 2014-04-30 | | 3.16666666666667 | | Amazing amazing amazing!!!! Best meal so far in Vegas! We came for lunch. The American and Mexican station were my favorite with dessert close behind. The pork sliders were incredible!! Really blown away and totally worth the 77$ for both my husband and I! Yum yum yum | |
| 10 | 2017-10-23 | | 3.14285714285714 | | Rated the Best buffet in Las Vegas and I certainly concur. Quality of food is superb and serving sizes perfect. Allows you to sample a greater variety of dishes. I especially love the poke, the variety of different noodle dishes, and raw tuna sushi. If you have any room after eating your main courses you have to try their dessert bar. Hugh calorie but so good. It a bit pricey but well worth every dollar. | |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [2](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

11.7 Relationship among words in Bacchanal Buffet

We explore the different relationship among the various words in Bacchanal Buffet here through a network graph

Code

A diagram of a network

Description automatically generated

11.7.1 Relationship of words with **crab**

The following network diagram shows the words associated with the word **crab**

Code

A network of words and a circle

Description automatically generated with medium confidence

11.7.2 Relationship of words with **food**

The following network diagram shows the words associated with the word **food**

Code

A network with many points

Description automatically generated with medium confidence

12 Top Ten Business in Toronto

We list the Top Ten business in Toronto giving importance to the number of reviews and then to the number of stars obtained by the business.

Code

|  | name | | neighborhood | | address | | review\_count | | stars | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | |  | |  | |  | |  |
| 1 | | "Pai Northern Thai Kitchen" | | Entertainment District | | "18 Duncan Street" | | 1494 | | 4.5 |
| 2 | | "Khao San Road" | | Entertainment District | | "11 Charlotte St" | | 1270 | | 4 |
| 3 | | "KINKA IZAKAYA ORIGINAL" | | Downtown Core | | "398 Church St" | | 1184 | | 4 |
| 4 | | "Banh Mi Boys" | | Queen Street West | | "392 Queen Street W" | | 973 | | 4 |
| 5 | | "Seven Lives Tacos Y Mariscos" | | Kensington Market | | "69 Kensington Avenue" | | 945 | | 4.5 |
| 6 | | "Uncle Tetsu's Japanese Cheesecake" | | Downtown Core | | "598 Bay Street" | | 848 | | 3.5 |
| 7 | | "Salad King Restaurant" | | Downtown Core | | "340 Yonge Street" | | 808 | | 3.5 |
| 8 | | "Momofuku Noodle Bar" | | Financial District | | "190 University Avenue, Ground Floor" | | 759 | | 3 |
| 9 | | "Bang Bang Ice Cream and bakery" | | Ossington Strip | | "93a Ossington Avenue" | | 746 | | 4 |
| 10 | | "Sansotei Ramen" | | Downtown Core | | "179 Dundas Street W" | | 701 | | 4 |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

13 **Pai Northern Thai Kitchen**

13.1 Word Cloud of business **Pai Northern Thai Kitchen**

Code

A close-up of words

Description automatically generated

13.2 Ten most common words used in reviews of business **Pai Northern Thai Kitchen**

We examine the Top Ten Most Common words and show them in a bar graph.

Code

A graph with orange bars

Description automatically generated

13.3 Sentiment Analysis - Postive and Not So Postive Words of **Pai Northern Thai Kitchen**

We display the Positive and Not So Positive words used by reviewers for the business Pai Northern Thai Kitchen.We have used the **AFINN sentiment lexicon**, which provides numeric positivity scores for each word, and visualize it with a bar plot.

Code

A graph with red and blue bars

Description automatically generated

13.4 Calculate Sentiment for the reviews

We calculate the sentiment scores for all the reviews using the **AFINN sentiment lexicon**. We display the Top Six sentiments here.

Code

## # A tibble: 6 x 3

## review\_id sentiment words

## <chr> <dbl> <int>

## 1 \_8cI6l2W49pxi1L7GtOZmg 2.18 11

## 2 \_fHUTtvh3MrqCr\_y5WQQVg 1.80 15

## 3 \_H1zGNH2eGW62-CD3LJVXg 1.87 23

## 4 \_iZDnvl1mNmUADu3vvmhoA 2.80 5

## 5 \_JllfMKe6oMaGkBvl79Gkg -1.60 5

## 6 \_KjrSEviydZv5Qzr86VRgg 0.800 5

13.5 Negative Reviews

We examine the Top 10 most negative reviews.An analysis of the negative reviews reveals that the complaints were about **Service**. Now when we go deeper into the Service complaints, we can find out various aspects of the service complaints such as

* why our waitress seemed to be in such a hurry to get us out of the place.
* This restaurant was crowded and noisy. The tables were packed so closely that I was falling over other diners while maneuvering to my seat
* but their service was God-awful. They rarely attended our table, It took 55 minutes for our food to arrive. They took our drink orders and did not deliver them

Code

|  | | date | | sentiment | | text |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | |  | |
| 1 | 2017-03-03 | | -0.466666666666667 | | My girls and I visited Toronto during Christmas\/NYE week a few months ago and we decided to check out Pai while we were in town. Now, I'm a die-hard Thai fanatic - it's my favorite cuisine ever! Imagine how extremely disappointed I was after my unpleasant experience at this establishment. For starters, the food wasn't extraordinary - it's exactly what I expected. Our dining experience was horrible! We were seated around 2pm-ish on NYE and were served our drinks and apps in a timely fashion. We had to track down our waiter though to put in our entree orders and to our dismay he never passed it along to the person taking over his shift. We waited for a ridiculously long time to be served our food. If I remember correctly, we were in the restaurant for about two hours and our food had yet to be delivered to our table. I was so appalled at the lack of customer service that I spoke to the Manager and explained what happened. They apologized profusely and offered complimentary apps and 50% off of the check. I appreciate the effort that they took in trying to resolve the issue and our disappointment; however, it wasn't until later on that I realized we didn't truly get 50% off the check. Of course, the restaurant calculated it to their advantage. I still left a tip because I'm the type of customer who doesn't let one bad experience dictate future ones. I do want to advise other customers to have minimum expectations when dining here and speak up if you're not happy with the level of service. | |
| 2 | 2016-04-26 | | -0.5 | | First of all, an emphasis that the food by itself is 5-star quality. I have no idea what magical ingredients or spices they put in their soup\/curry\/noodles, but it's absolutely delicious. I also really enjoyed the vibe of the place - the decorations were on the hippie side, down to the tables and chairs and the washrooms. Reservations can be made easily online, a huge plus in my opinion (especially downtown...). The stars I took off were for service alone. We went there on a Monday afternoon at 2pm, and the restaurant was half empty. So I really cannot understand why our waitress seemed to be in such a hurry to get us out of the place. 5 minutes after I received the menu, she came up to ask for orders - of course, we said that we needed more time. She gave us another 5 minutes, then came again! We asked for more time. On the other hand, it took us multiple tries to get our water glasses refilled. Please understand that this was pretty annoying since the food could get quite spicy and water is sort of a necessity. Then, as soon as my bowl was empty, the waitress (the same waitress who disappeared throughout the rest of our meal), materialized and asked if we would like our bills. Needless to say, we were not greeted on our way out. Damnit, Pai! I really wanted to give you a high rating after salivating over all the pictures here. | |
| 3 | 2016-05-17 | | -0.777777777777778 | | Wanted to have dinner here with a friend at 8pm on Saturday. We were told that the wait would be an hour + so we decided to wait and have a drink elsewhere meanwhile. An hour and 20 minutes later we went back since we had not yet been called. I had to go straight to the host (felt terrible about bypassing the line-up) and we did get seated right away. I've been to PAI various times before - always love the atmosphere- but I was highly disappointed by the food this time. Got a chicken skewer app. Which was great then had to wait 20 more minutes for the mains - my Pad Thai noodles were burnt and that taste stayed with me the rest of the night. To mess up the most basic dish at a Thai restaurant is terrible. I didn't complain because by this point I had already waited 1hr + 20 minutes to sit and 30 minutes for the main. Just was too hungry to wait any longer for them to replace the dish. Suffice it to say I was unimpressed enough that I'm going to take my business elsewhere. | |
| 4 | 2016-02-26 | | -0.833333333333333 | | The food that I have gotten to try has been tasty, but as a vegetarian (I do eat eggs and dairy, just no meat or fish), there are few options for me. Of all the restaurants that Chef Nuit helped to start, this one is the least vegetarian friendly and it's very disappointing as it seems there is no move to change that, despite telling me in the past (when I asked via email when they first opened) that they were "working on it." I no longer believe this. I work nearby but hardly ever go here because of disappointing options for vegetarians or vegans. | |
| 5 | 2017-11-25 | | -0.909090909090909 | | my party and i arrived hungry after escaping from the terminal island, we sought after libations and refreshments for our famished stomaches.. we walked cautiously underground and placed our names down for a number... "an hour wait" the door goblin said. We've faced worst hungers before and we're not backing down... so we waited, half a moon past, the bellows of our hungering stomach echoed throughout the underground cavern....there must be something we can do, thought Da Vid, our rogue.. Using his powers of trickery and deception, Vid negotiated with his tongue and our party was magically bumped to the next in line i asked for the chicken pad thai, a classic staple in goblin thai cuisine. The dish arrives, i also ordered a sake for my thirsty throat everything was great, the food was satisfying and the drink quenched my thirst. We never saw the service goblin after placing our order and delivering our refreshments...but then again, i do not expect much on a busy night after placing a bag full of coins down to pay for the meal, our party walks out ready for our next adventure. Vid was already exhausted from previous exploits at terminal island was desperately seeking shelter by the riverbanks of mississauga | |
| 6 | 2017-07-15 | | -1 | | Save the money and time you would've spent here and take yourself down the block to Khao San Road. I had ordered the Pad Thai to go because a 45 minute wait seemed high unappealing. I started to eat it within of 5 minutes of receiving it and I was shocked. The taste was EXTREMELY weak and unflavoured. The flavour that was there, was good and had and the "spicy" level was okay. Overall, I wasn't as pissed just because I didn't have to suffer through the extreme pain of waiting in their line. Cannot justify the $18 I spent here. | |
| 7 | 2014-09-17 | | -1.375 | | Never coming back again! Here' why: 1. extremely slow service - took over 15mins for our drinks to arrive, another 20 mins later 1 extremely small appetizer dish arrived and then another 25-30 mins later the food arrived. That's over an hr of waiting before the main course 2. bad drinks - their Cesar tastes bitter! I couldn't drink more than half of it 3. After all the wait and bad drinks, the food was OK but a but overpriced! 2 drinks, 1 tiny app and 2 dinner dishes aren't worth $70+ tip if theres bad service, bad drinks and avg tasting food. Even the restaurant isn't all that great! They cheaped out on the ambiance, very uncomfortable chairs esp when we have to wait an hr for food; could have at least hired more cooks\/servers! | |
| 8 | 2016-12-28 | | -1.4 | | This is probably the worst service I've encountered in Toronto. I wanted to come on a public holiday, because everything else in the neighborhood was closed, and I tried calling several times but no one answered. When I arrived, the hostess gave me the worst attitude, asking, "So do you want to wait or not?" Beyond that, the atmosphere is incredibly dark and so noisy that you cannot possibly have a conversation. Hipsters only. | |
| 9 | 2016-03-18 | | -1.42857142857143 | | I went with a group of 10 people. They charged me a 20% GRATUITY....but their service was God-awful. They rarely attended our table, It took 55 minutes for our food to arrive. They took our drink orders and did not deliver them. And at the end, they put all of the wrong items on all of our receipts and over charged us.... not impressed. The food was decent but the over experience was awful. Will not be going back. | |
| 10 | 2016-02-10 | | -1.6 | | This restaurant was crowded and noisy. The tables were packed so closely that I was falling over other diners while maneuvering to my seat. I ordered spring rolls and pad thai with chicken. The spring rolls were factory. and thoroughly cooked, but the pad thai hurt my eyes. It hurt my eyes looking for the chicken. I found two small pieces. Lots of tofu, though, which I didn't order and don' eat. Halfway through the meal, a large party came to sit to the table next to ours and took turns trying to knock us out of our seats as they attempted to get into theirs. It is cheap, though. but that did not make up for the other disappointments. I won't be going back. | |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

13.6 Positive Reviews

We examine the Top Ten most postive reviews.

Code

|  | | date | | sentiment | | text |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | |  | |
| 1 | 2014-07-27 | | 3.4 | | This place was absolutely, mindblowingly AMAZING. So glad I never have to go back to Khao San Road ever again. Loved the decor, the perfectly spiced green curry served in a carved out coconut and in particular, the mango sticky rice. Very authentic Thai food and wonderful, hospitable service. | |
| 2 | 2015-07-17 | | 3.375 | | Exceeded expectations. I liked the look of the menu online, but when we got here I couldn't wait to go in. The whole restaurant smelled amazing. There was a brilliant buzz about the place and the atmosphere was very welcoming. We had a brilliant experience from start to finish. The waiter was great. We both went for "Thai spice" level, which is exactly what it says on the tin, spicy! But awesome. I had the curry in the coconut and the chicken wings and both were amazing. I totally recommend. | |
| 3 | 2016-01-10 | | 3.28571428571429 | | Atmosphere was casual and hip, food and drinks were amazing, and service\/servers were fantastic and very kind. I loved this place. As soon as I walked in I loved the fun and relaxing atmosphere. Our servers were very nice and chatted shortly with us. Would come back even just for drinks. | |
| 4 | 2014-08-26 | | 3.2 | | Amazing food for amazing value - my boyfriend and I absolutely love this place. Props to the chef Nuit Regular for bringing her A-game to this restaurant. If you like Thai food this is the place to go! And if you aren't sure about Thai, try this and you'll learn you love it (most North American Thai food doesn't even come close to this). | |
| 5 | 2016-02-05 | | 3.14285714285714 | | amazing food! Incredibly helpful staff. I booked their family style room for a birthday party and they couldn't have been more helpful. The food was amazing, the staff was amazing, the chef came out to chat with us - they accommodated our many food quirks - really fantastic! Thank you guys! | |
| 6 | 2015-03-10 | | 3.11111111111111 | | This place is amazing! Let's get that out of the way. The food is delicious, drinks are reasonably priced with a good selection, the music is good and it always has a great atmosphere. For me the two highlight dishes are: Pad Gra Pow & Khao Soi. Both are full of flavour and perfect portion sizes. Service is great too. Perfect place to go with a group of friends for a fun night out. Just go..... | |
| 7 | 2016-08-21 | | 3 | | I have been here twice now and I love it! The food is amazing with the spices and other flavours just perfectly complimenting each other. There is always a line up, so get in early or ever better book! For a table for 4 on a Friday night, we had to wait for a hour but we just went to another bar for drinks until they sms'd us that the table is ready. The curries are a must try - chicken breast curry with noodles - get on it! Paired with a lychee drink, just ends a hot night into a pleasant and relaxing night out. | |
| 8 | 2017-06-08 | | 3 | | My friends and I were craving Thai food for lunch so we came here. Food: Pad Gra Prow 13...Try it with Shrimp or Crispy Pork (Moo Grob) 15 Holy basil stir fried with your choice of ground Pork, Chicken, Beef or Tofu served on steamed jasmine rice and topped with a thai style fried egg. (contains oyster sauce) Served with nam prik nam pla sauce (fish sauce, garlic, chili & lime) I wanted to try both shrimp and pork at the same time. I preferred the ground pork over the crispy pork in the rice. It was nicely marinated and flavourful! I've asked for their chili oil. It went well with the rice. Nice happy atmosphere. Good service and very authentic Thai good. I am so glad I came! | |
| 9 | 2017-12-10 | | 3 | | Awesome green curry "best ever" & the Ox Tail is a must try! Service was very help, all that was recommended on the menu was a hit for our group of six. Great vibe and fun setting! | |
| 10 | 2017-03-23 | | 3 | | I came here with a group of friends and we split some chicken satay and battered shrimp. Great atmosphere, apps were very tasty. Loved the peanut sauce with the satay, and there was a nice sauce with cucumber and chillies with it that was also very tasty. The shrimp was perfectly battered and crispy... Really tasty, and I'm not usually a fan of ordering shrimp unless it's part of dim sum. :) I will definitely have to come back here for a proper meal, so this review is just a placeholder for now. | |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [2](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [3](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

13.7 Relationship among words in **Pai Northern Thai Kitchen**

We explore the different relationship among the various words in Pai Northern Thai Kitchen here through a network graph

Code

A group of blue dots and lines

Description automatically generated with medium confidence

13.7.1 Relationship of words with **thai**

The following network diagram shows the words associated with the word **thai**

Code

A network of dots and lines

Description automatically generated

14 **Chipotle business**

We explore the various Chipotle business

Code

|  | business\_id | name | neighborhood | | | address | | city | | state | postal\_code | | | | latitude | longitude | | stars | | review\_count | | | | is\_open | categories | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | |  |  | |  | |  | | |  |  |  | | |  | |  | |  |  |  | | |
| 1 | gOBxVkHpqtjRRxHBIrpnMA | | | "Chipotle Mexican Grill" | Ryerson | | "323 Yonge St, Unit 114" | | Toronto | | | ON | M5B 1R7 | 43.6568889 | | | -79.3809903 | | 3.5 | | 208 | 1 | Restaurants;Fast Food;Mexican | | |
| 2 | AUl6myFhTAbEqt0GMdKHiw | | | "Chipotle Mexican Grill" | Spring Valley | | "7340 Arroyo Crossing Pkyw, Ste 100" | | Las Vegas | | | NV | 89118 | 36.0636453 | | | -115.2520481 | | 3 | | 149 | 1 | Fast Food;Mexican;Restaurants | | |
| 3 | uovqgCcWIqTwUeH\_A54t2A | | | "Chipotle Mexican Grill" |  | | "4423 E Thomas Rd (sec), Ste B" | | Phoenix | | | AZ | 85018 | 33.4796766514 | | | -111.986105298 | | 2.5 | | 139 | 1 | Fast Food;Tex-Mex;Mexican;Restaurants | | |
| 4 | pKTIxpM\_2Qk7l\_Kb0LImbQ | | | "Chipotle Mexican Grill" |  | | "1311 W Sunset Rd, Ste 100" | | Henderson | | | NV | 89014 | 36.0631563 | | | -115.0435192 | | 3 | | 136 | 1 | Mexican;Restaurants;Fast Food | | |
| 5 | rD32POdIhGN9eR8aUxl-3A | | | "Chipotle Mexican Grill" | Anthem | | "10251 S Eastern Ave, Ste 100" | | Henderson | | | NV | 89052 | 36.0033972 | | | -115.1104709 | | 2.5 | | 135 | 1 | Mexican;Fast Food;Restaurants | | |
| 6 | WyZAeMGsjUE7OToI4Jdqfw | | | "Chipotle Mexican Grill" | Westside | | "9240 W Sahara Ave, Ste 150" | | Las Vegas | | | NV | 89117 | 36.144779 | | | -115.297331 | | 3.5 | | 131 | 1 | Mexican;Fast Food;Restaurants | | |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

15 Chipotle Business in Yonge Street Toronto

We explore in detail the Chipotle business in Yonge Street Toronto since this has recived the **highest** number of reviews among the Chipotle business.

15.1 Word Cloud of business **Chipotle Business in Yonge Street Toronto**

Code

A close up of words

Description automatically generated

15.2 Top Ten most common Words of the business **“Chipotle Business in Yonge Street Toronto”**

We examine the Top Ten Most Common words and show them in a bar graph.

Code

A graph with orange bars

Description automatically generated

15.3 Sentiment Analysis - Postive and Not So Postive Words of **Chipotle Business in Yonge Street Toronto**

We display the Positive and Not So Positive words used by reviewers for the business Chipotle Business in Yonge Street Toronto.We have used the **AFINN sentiment lexicon**, which provides numeric positivity scores for each word, and visualize it with a bar plot.

Code

A graph with red and blue squares

Description automatically generated

15.4 Calculate Sentiment for the reviews

We calculate the sentiment scores for all the reviews using the **AFINN sentiment lexicon**. We display the Top Six sentiments here.

Code

## # A tibble: 6 x 3

## review\_id sentiment words

## <chr> <dbl> <int>

## 1 \_9QppDpjGObFgWb5PeyE1A 1.00 7

## 2 \_aFAZ8LuRV5amqp-14TuJg 1.83 6

## 3 \_imbcS0T3LX04qb1ft67vA 0.400 5

## 4 \_L5nX4Ih4JLsiEGQwoC8UQ 0.800 5

## 5 \_vGI9znbzekUVVORKte7wA 1.42 12

## 6 0IrnDd2C8dZc8auJrUxO8A -0.167 6

15.5 Negative Reviews

We examine the Top Ten most negative reviews.An interesting complaint for the **Chipotle Business in Yonge Street Toronto** was that they did not accept **Interac** , a standard payment method in Canada

Examples involving it are as follows

* Not complying with customers' choice to pay with Interac, a standard payment method in Canada, is also a nuisance
* Only reason it got a 4 star is because they don't accept interac which is my go to.

Code

|  | | date | | sentiment | | text |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | |  | |
| 1 | 2008-09-24 | | -0.2 | | This place just opened in August and I was one of the first customers in that month. I didn't go in for a burrito, but a bottle of water and soda. I tried to purchase my items with a Chipotle gift card but the cashier wouldn't accept the card. I gave her a weird look and asked if she accepted American money and she said no. I gave her an even weirder look, so she called over the manager. The manager explained that since they're not located in the U.S., the computers haven't been wired to the U.S. cashiers and blah, blah, blah. She apologized for the inconvenience and gave the drinks to me for free. That kind of customer service deserves 5 stars alone. I love free stuff. | |
| 2 | 2012-06-28 | | -0.2 | | EDIT: Been back since, seem to have worked out some of the kinks. As I have been to several Chipotle stores in Orange County, I can say with confidence that this is a very disappointing Chipotle branch. The portions appear to be quite a bit smaller than their US counterparts. Combined with the higher prices and taxes, it feels like a rip-off. Every other time I have come here, there is some supply problem with the chicken. This needs to be sorted. Chipotle stores in the US can handle large volumes of customers quickly and without supply issues. Not complying with customers' choice to pay with Interac, a standard payment method in Canada, is also a nuisance. The employees, when you can make out what they're saying, are quick and efficient and surprisingly chipper. I am looking forward to them meeting their US standards, offering comparable value-for-money, and expanding throughout Canada. | |
| 3 | 2017-06-20 | | -0.25 | | This location is an absolute joke and the incompetent management should be ashamed of themselves. Run by a bunch of children who aren't paying any attention and couldn't give two shits about the product they're serving you. Everything is cold in the burrito bowl. Like, the steak is fresh out of the refrigerator. They put more cheese than rice or beans. And the cheese, also fridge cold. The tables are dirty, the staff is completely inattentive. I don't eat Chipotle that often, but when I do it's at the Yorkdale mall location and it's always hot, fresh, tasty. This location is an embarrassment. | |
| 4 | 2014-08-03 | | -0.375 | | Disappointing. I am a huge advocate for Chipotle, and I have eaten at this one on a number of occasions, but my recent experience was not as good. Unfortunately, the person designated at the grill blackened the chicken to the point of no return. It was devastating. Before leaving I actually had the chance to take a look at the grill, and he was ferociously burning ALL of the chicken!! Who is supervising this dude? Does he not realize that he is ruining countless $10 burritos? Sad face. | |
| 5 | 2009-01-18 | | -0.4 | | Chipotle. Where do I even begin? I've been raving about Chipotle for years! I kept telling my BFF (who lives in Toronto) that he is seriously missing out on life. Because a life without Chipotle is no life at all. During my most recent visit to Toronto (Jan 3-8), we were walking outside the Eaton Center and what do I notice?! A CHIPOTLE! HUH?! Where did this come from?! So of course I insist we go there for dinner. Oh, man. I was soooo freakin' excited. Finally, I get to share this love of mine with my bestie. We go in and I explain how it works. You get in line and tell the person behind the counter what you want (tacos, burrito, burrito bowl or salad). Then you choose your meat then all your toppings (free, with the exception of guacamole). I always get a burrito bowl. With 1\/2 steak and 1\/2 chicken. Fresh tomato salsa, a little bit of red tomatillo, lots of corn, cheese, lettuce, and a side of chips. But wait! There was no fresh tomato salsa...or corn... or lettuce! What the heck. I seriously felt sad because my measly-looking burrito bowl was pathetic! Rice, meat, tad of red tomatillo and cheese. LAME. When we pay, I ask the cashier why they were missing so many ingredients and she says that their supplier was lacking in their delivery... Okay, so seriously, we sit down in the crowded seating area and I dive into my burrito bowl. It really couldn't really be that bad... afterall, the essential ingredients were still there... right? Wrong, it was still bad. The chicken was BURNT and dry. The thing just didn't taste the same without lettuce, tomato or corn. Call me picky, but I was utterly disappointed. My BFF, who got a burnt chicken burrito, said his was too spicy. So... after years of hyping up Chipotle to my bestie, I felt embarassed having said I was addicted to Chipotle. I guess I can't really blame them for the issue with their supplier... but come on... serving burnt chicken?! That's just wrong! You could clearly see it was charred on the edges and dry! They should know better. Will I return to Chipotle? Yes... in fact, I had my usual for lunch today (YUM! Just the way I like it). Will I return to the one on Yonge St. next time I visit Toronto? Not likely. | |
| 6 | 2014-03-06 | | -0.5 | | I used to frequent Chipotle when I travelled to the US so I was pleased when they opened locations here. The first few months they opened I was a regular customer. I usually ordered the burrito bowl. For the price paid they can be very stingy with the items--I recall insisting I be given more rice on many occasions. Their stingy-ness got to the point that I emailed the head office to complain. I received the response that absolutely customers are entitled to ask for more rice and toppings. Rice is inexpensive--why would we skimp on that? I was told. They also sent me coupons to use for my next meal. If you feel shortchanged on the toppings definitely ask for more--they are not supposed to refuse. Also, the grilled peppers and onions are available to add to your meal free of charge. The guacamole is expensive for the amount given and should be no more than maybe .50 cents to add to your meal. | |
| 7 | 2011-05-27 | | -0.5 | | Well... second time there, this time I didn't order online. I ordered the soft tacos with chicken and they didn't put any beans\/rice\/vegetables in there. So I asked what's up with that and they told me that they don't put that into the soft tacos. Hungry like hell I accepted that and paid way too much for way too little. But I did email Chipotle afterwards about this and they told me that that should not have happened, their tacos should have all the regular filling and that they will speak with management there. But... that's it. No offer of compensation at all, not even 50% off for my next order or something. Which - considering their prices - makes me not want to go there any more. But if you are aware of what I have just described, at least you won't fall for similar nonsense. | |
| 8 | 2017-10-31 | | -0.857142857142857 | | It's Chipotle! The cure to your Halloween hangover (Or whatever else has got you down.) If you haven't tried Chipotle, you are missing out big time. Its somewhat healthy when comparing to McDonalds and stuff but anything served to you in this large of a portion will be equally bad for you - or worse. Whenever I go I always order a Barbacoa bowl with the tortilla on the side. The barbacoa is something out of this world and sadly my vocabulary lacks the imagery necessary to covey the awsome-amazingness that is a 1kg bowl of mean -or protein as they call it, veggies, beans and a tortilla the size of your abdomen. Only reason it got a 4 star is because they don't accept interac which is my go to. | |
| 9 | 2009-08-31 | | -0.857142857142857 | | Chipotle's offers what is known in parts as the Mission-style Burrito. That's not to be confused with missionary style. It's a style of burrito making (not love making) that originated in San Francisco's Mission district (which used to have a lot of real live Mexicans before the dot coms acquired them and made the cost of being an authentic mexican out of the financial reach of authentic mexicans). Basically take a flour tortilla, steam it to make it malleable, then load it up with meat, veggies, and sauces, and wrap it up in some tin foil to keep it both undetectable from the reptoid's listening post on the far side of the moon and from exploding all over your white Brooks Brothers shirt. I've tried both this place and Burrito Boyz and found Chipotle less irritating, the ordering more straight forward, and there was less of an agonizing wait for your food to be ready. It's not a hipster place, however. The chicken burrito was flavorful enough. I wouldn't mind if it was a little cheaper or they threw in some complimentary nachos (which they used to do in the Mission district). Meh. All 'n' all if you just think of this as something flavorful wrapped up in a round flour thingy, it's not all that bad. | |
| 10 | 2014-08-29 | | -1.18181818181818 | | It's good but I wish they had more variety on their menu. It all tastes the same pretty much. Gets boring after a while. My other gripe is they don't take debit. Not even the visa debit that you tap! Really? That's ridiculous Chipotle. 2 times I have accidentally forgotten my credit card. I never have cash. Never came back, couldn't be bothered to pay $3 at a random ATM and run around town because of their dumb business decision.... Lost sale for them. Meh. | |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

15.6 Positive Reviews

We examine the Top Ten most postive reviews.

Code

|  | | date | | sentiment | | text |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | |  | |
| 1 | 2017-11-08 | | 2.66666666666667 | | Love this. Best Mexican. Food is tasty and healthy. Very generous portion of food. Great if you're in a hurry. All locations same yummy food. | |
| 2 | 2013-09-29 | | 2.6 | | Love me some Chipotle.. Love the chicken bowl- the burritos get a little too messy for me. I always get the mild salsa (I like the chunks of freshly diced tomatoes) as well as the hot. Chips and guacamole on the side- lunch\/dinner so good. Much better than most of the burrito places in the city- and comparatively priced. | |
| 3 | 2017-02-21 | | 2.5 | | One of the best places to have a full healthy meal for around 10$ They do not accept debit cards, only cash or credit. I stick to the burrito bowls which are easier to eat and taste good. Try the carnitas or the barbacoa. They have great vegetarian options as well. There isn't much of an ambience but the service is pleasant. | |
| 4 | 2009-06-21 | | 2.33333333333333 | | Not a fan of their burritos, the local Burrito boyz or bandidos does them much better by grilling them whereas Chipotle's feels like a soggy lump. I do enjoy their burrito bowls the combo of rice, beans, meat and veggies is enough to keep me satified without having to tackle one of their messy mismashed burritos. Nice clean eating area. A okay place for a filling lunch when I'm in the area but I think Burrito Boyz\/Bandidos has them beat out for taste. | |
| 5 | 2011-10-07 | | 2.28571428571429 | | Chipotle is by far the best "fast casual" dining experience I've had... ever. I fell in love with the idea in Chipotle after hearing about how much Americans were loving it. When it came to Toronto, I knew I had to have it! The burritos, tacos, and burrito bowls are all absolutely delicious. While my favorite meat option is carnitas, I've also had (and loved) the vegetarian option. I think what really makes Chipotle the best is their rice - cilantro lime, and FANTASTIC!! Another thing I love about Chipotle is that when ever I'm there, you can always see the fresh food being barbequed and prepared. It makes me feel better about going there versus another less healthy option. A last comment on Chipotle - every single time I have been there (10ish times) there has been at least one police officer there. So you can feel safe while you enjoy your burrito. | |
| 6 | 2011-02-12 | | 2.28571428571429 | | Chipotle has finally come to Canada. Was very surprised when I saw this here. Almost surprised as seeing a Panera Bread in Vaughn too. All we need is a Qdoba and a Jimmy Johns and everything would be perfect. The burrito's are fantastic. All the ingredients were fresh and looked delicious. Big fan of the Barbacoa and the carnita burritoes. Similar to the fajita burrito that Qdoba has, I prefer to swap out the beans for the onions and peppers and turn my burrito into a fajita burrito. The tomatillo-red hot salsa is not really that hot. I mean it's hot. But not as hot as I'd prefer. However, for flavour, I like the green chili salsa better. It's not as hot but it still packs a punch and adds to the flavor. | |
| 7 | 2013-09-26 | | 2.27777777777778 | | Dear Chipotle: I love you so much. I love how your bags are made from 100% post consumer waste, 90% for your napkins. I love the way you cook your steak and the seasoning you use for it. I love how you add lime and cilantro to your rice. I love all your salsas. I love that all your meats are from hormone and antibiotic-free animals who are treated humanely. And that the cheese and sour cream comes from animals treated under the same humane conditions. I love every detail that you have put into your restaurant(s) right down to the back of your receipt paper. I still remember my first steak bowl like it was yesterday... One bite and I was done for. I have only been to your Yonge and Dundas location, so I can't really compare the service and food to any of your other locations, but I just wanted to let you know that every one there is doing a great job. The food is consistently delicious and fresh. The service is always fast, efficient, and given with a smile. The restaurant and bathrooms are always clean. I really do enjoy eating your food. It really makes me happy. I love you. Forever yours, M | |
| 8 | 2014-12-02 | | 2.22222222222222 | | I LOVE Chipotle. There. I said it. Food is consistently fresh. I like that they use hormone free meats and also have vegan\/veggie options too! Service is almost always sweet and friendly. My fave is the carnitas salad with brown rice, with all toppings. Splurge and get the guacamole and chips on the side, it is delicious. There are definitely ways to be more healthful (ie hold the sour cream and cheese) but that's just not as much fun in my opinion. Fun fact : if you tweet at Chipotle, they usually respond to you pretty quickly ;) | |
| 9 | 2010-07-27 | | 2.2 | | Chipotle is pretty decent. Gets the job done when you're in a crunch. I like how you can get the 'fajita' option, where the onions and peppers are fried up. I don't like that they just simply are NOT as good as burrito boyz. I can't get past the halibut burritos...SO good. | |
| 10 | 2011-10-02 | | 2.16666666666667 | | I can't believe I went years walking past this place from class to class without going in. My friend Mike introduced me to Chipotle and he wouldn't stop raving about it since they have a couple in Ohio. So I figured I'd give it a try. It was well worth the money. I got a vegetarian burrito and I'd HIGHLY recommend you get it with the Guacamole (Effing Amazing). There are meat options as well but due to dietary restrictions I stick to vegetarian options which are amazing at this place. I'm definitely going to make it a point to head down there when I get a chance in the future. | |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

15.7 Relationship among words in Chipotle Business in Yonge Street Toronto

We explore the different relationship among the various words in Chipotle Business in Yonge Street Toronto here through a network graph

Code

A group of lines with dots and letters

Description automatically generated with medium confidence

16 Topic Modelling

Topic modeling is a method for **unsupervised classification of documents**, similar to clustering on numeric data, which finds natural groups of items even when we’re not sure what we’re looking for.

**Latent Dirichlet allocation (LDA)** is a particularly popular method for fitting a topic model. It treats each document as a mixture of topics, and each topic as a mixture of words. This allows documents to “overlap” each other in terms of content, rather than being separated into discrete groups, in a way that mirrors typical use of natural language.

16.1 LDA Function

Borrowing an awesome function from Rachael’s Notebook

Code

16.2 Topic Modelling for **Mon Ami Gabi**

4 topics for the **Mon Ami Gabi**

Code

A graph of different colored bars

Description automatically generated with medium confidence

16.3 Topic Modelling for **Bacchanal Buffet**

4 topics for the **Bacchanal Buffet**

Code

A graph of a bar graph

Description automatically generated with medium confidence

16.4 Topic Modelling for **Pai Northern Thai Kitchen**

4 topics for the **Pai Northern Thai Kitchen**

Code

A graph of different colored bars

Description automatically generated with medium confidence

We observe a common theme which appears across topics across the Three restaurants is **service**.The theme of **service complaints** was also very evident when we did the **sentiment analysis**

17 Phoenix City Analysis

17.1 Top Ten Business in Phoenix

We list the Top Ten business in Toronto giving importance to the number of reviews and then to the number of stars obtained by the business.

Code

|  | name | | neighborhood | | address | | review\_count | | stars | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | |  | |  | |  | |  |
| 1 | | "Phoenix Sky Harbor International Airport" | |  | | "3400 E Sky Harbor Blvd, Ste 3300" | | 2215 | | 3 |
| 2 | | "Pizzeria Bianco" | |  | | "623 E Adams St" | | 2035 | | 4 |
| 3 | | "Bobby Q" | |  | | "8501 N 27th Ave" | | 1940 | | 4.5 |
| 4 | | "Lux Central" | |  | | "4400 N Central Ave" | | 1770 | | 4.5 |
| 5 | | "Cibo" | |  | | "603 N 5th Ave" | | 1698 | | 4.5 |
| 6 | | "La Santisima" | |  | | "1919 N 16th St" | | 1694 | | 4 |
| 7 | | "The Arrogant Butcher" | |  | | "2 E Jefferson St, Ste 150" | | 1526 | | 4 |
| 8 | | "Matt's Big Breakfast" | |  | | "825 N 1st St" | | 1520 | | 4 |
| 9 | | "Lo-Lo's Chicken & Waffles" | |  | | "1220 S Central Ave" | | 1519 | | 4 |
| 10 | | "Little Miss BBQ" | |  | | "4301 E University Dr" | | 1463 | | 5 |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

17.2 Topic Modelling for **Phoenix City**

We do a Topic Modelling on the reviews of a sample of **Ten Thousand Words** of Phoenix City.

Code

A graph with different colored bars

Description automatically generated with medium confidence

We observe the themes of Service and time being very dominant. The occurence of the word chicken among food items is present.

17.3 Word Cloud of **Phoenix City**

Code

A close-up of words

Description automatically generated

17.4 Top Ten most common Words of the business **Phoenix City**

We examine the Top Ten Most Common words and show them in a bar graph.

Code

A graph with orange bars

Description automatically generated

17.5 Sentiment Analysis - Postive and Not So Postive Words of **Phoenix City**

We display the Positive and Not So Positive words used by reviewers for Phoenix City.We have used the **AFINN sentiment lexicon**, which provides numeric positivity scores for each word, and visualize it with a bar plot.

Code

A graph with red and blue bars

Description automatically generated

17.6 Calculate Sentiment for the reviews

We calculate the sentiment scores for all the reviews using the **AFINN sentiment lexicon**. We display the Top Six sentiments here.

Code

## # A tibble: 6 x 3

## review\_id sentiment words

## <chr> <dbl> <int>

## 1 \_\_HZrBgCyEbi6GNJsiIV0Q 2.78 9

## 2 \_\_IcLTtIBTCIs-w-Sv5pTQ 2.25 12

## 3 \_1-bFIo43jkVeWyX2UwPIw 0.400 15

## 4 \_15jglqDjueJhlmKDkSEaQ 1.43 7

## 5 \_2DISl0Z0phLZeTAOx\_Bpw 2.60 5

## 6 \_2e1RnhMu2\_YoPWqHKlslw 1.91 34

17.7 Negative Reviews

We examine the Top Ten most negative reviews.

Code

|  | | date | | sentiment | | text |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | |  | |
| 1 | 2017-09-08 | | -1.8 | | STOP calling me SilverScript Caremark!!! You have a nerve to harass and disrespect me! If I have any questions I WILL call, not you!!! Just stop harassing me! You are making yourself look bad by your value customers! SMH! If this continue I am taking you to court for harassment charges! | |
| 2 | 2015-04-07 | | -1.8 | | This is handsdown the most annoying Starbucks. I am typically not one to complain, but when I wait ten minutes for tea, after I was the only one in line, annnndddd I see all the chit chatty girls, chit chatting, I'm going to complain. Not only do these girls talk incredible loud, but they whine, gossip, and argue with each other. I find it highly inappropriate and ridiculously annoying. They still get two stars because it's not that difficult to screw-up tea. | |
| 3 | 2015-01-07 | | -1.8 | | If there was any way to take away stars I would give these people the worst rating possible what a bunch of clowns there should be a law against idiots running tire shops like this one these people put the public in jeopardy by selling the worst tires and worse service possible | |
| 4 | 2015-05-30 | | -2 | | This is a horrible company. Telemarketing abuse aside (they violate our DO NOT CALL status several times a week), they do embarrassingly crappy work. We had them replace my wife's windshield at her office. They had a very unprofessional slacker show up in front of her class A office building, smoking cigarettes, playing loud music, all the while with his toddler age daughter left strapped to her car seat in his truck while he did a shoddy job on my wife's car. My embarrassed wife and her colleagues watched from their office windows with concern wondering if someone shouldn't call Child Protective Services. After the work was done the windshield leaked into the headliner costing over a thousand dollars in damages. Even after this embarrassing disgrace, these charlatans won't stop calling to ask for more business. I've repeatedly told them we will go without a windshield before letting AJ Auto Glass go to work for us again and asked they stop the harassing phone calls. They are the most inconsiderate, rude, and incompetent company we've ever had to deal with. And they won't go away. | |
| 5 | 2015-09-23 | | -2 | | These people are the laziest, most dishonest, incompetent people in this world. Over the past year they have lied to me about price, they have billed me in error countless times, their infrastructure is crumbling such that have lost service countless times and now I can't get them to discontinue my service without them trying to gouge me. They misrepresent everything and they hide behind their customer service number (I would not doubt it if they are using prison labor to provide customer service). DO NOT USE CENTURYLINK! It is a criminal organization. | |
| 6 | 2014-03-12 | | -2 | | ZERO STARS DO NOT rent a car here! Biggest scam ever! In business to rip off consumers. The State of Az is suing them. They need to be shut down. Provided us a '04 impala with over 200k miles, engine light on, no power locks, reeked of cigarettes. Charged us our $450 deposit after we returned it in 24 hours! Refused to talk to us even locked us out! | |
| 7 | 2013-06-26 | | -2.125 | | i mever write any reviews but i felt the needs to do this in order to warn others. DONT USE BRISTOL WEST!!!!!!!!!!!! i filed a claim but they switched my adjustor without notifying me first, then she gave my case back to the first guy wo telling me again. no one responded to my calls or had any info i provided about 5times. when adjustor finally called, he made an extremely racist comment against my ethnicity and when i called him out, he raised his voice and responded with bad bad attitude, icouldnt be more shocked!!!!! his name is brian cargile fyi. dont use this company, they are rude, unprofessional, and apprently has 'no way to make any complaints'. | |
| 8 | 2016-09-19 | | -2.2 | | NO STARS!!! I was given an "eta" of 12:40pm for my car to get picked up. I called to Inquire about the tow at 1:40pm. I was told that the guy who was picking my car up was 20mins away...... 2:25pm comes around and I'm still waiting, wtf! Long story short, this company don't know what ETA's mean or how to conduct business. They need to start giving out FUTA's(fucked up time arrival) I immediately called State Farm, who set this bs up and told them to take the company out of their database. Who have time to waste? Waste my money before my time! | |
| 9 | 2017-07-29 | | -2.2 | | Worst healthcare insurance company ever! They tell you on the phone that a service or test is covered, then after you do it you are told that it is not covered because it was deemed "experimental." Just nonsense. Then when you try to appeal it, they keep denying that your appeal was even received. Four months later they finally receive it and then they promptly deny it. Any complaints submitted are ignored. If you have alternative choices of companies, stay away from Aetna. | |
| 10 | 2014-10-29 | | -2.2 | | I've had 4 Amazon deliveries sent with Ontrac. 2 said they were delivered but the package was nowhere to be found and the other 3 are still "Out For Delivery". One being a package that was due today. The last one, still out for delivery, was due in February. That's 4 packages that never showed up. Begged Amazon to ship with any other carrier other than Ontrac. Offered to pay more for shipping even though I'm a Prime member but was told that they have no control over how the order is shipped. This most recent time I think I may have gotten a call from someone but the message was mumbled and when I called back the person didn't speak any English at all. HATE HATE HATE this company!! | |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [2](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

17.8 Positive Reviews

We examine the Top Ten most postive reviews.

Code

|  | | date | | sentiment | | text |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | |  | |
| 1 | 2017-11-21 | | 3.6 | | Wow! After seeing the amazing reviews online, I understand why. The place was busy, yet I walked in, and was seated immediately. Sean did a fantastic job on my hair, and trimmed my beard. The price was absolutely reasonable, and just overall good experience. Great job! | |
| 2 | 2017-03-05 | | 3.6 | | I have been to this restaurant twice since I moved here and it is outstanding. Great atmosphere inside, very friendly staff and a well stocked bar. Both my wife and I found the food to be outstanding with great rice and beans on the side. Prices are very reasonable and this is a place I would go back to for sure. | |
| 3 | 2015-05-04 | | 3.5 | | fun local brew pub with outstanding beer, great bar food and good music. Often local musicians play in the evening. Smoking patio and a nice size private room if your having a meeting. Great local pub. | |
| 4 | 2010-03-28 | | 3.5 | | Great atmosphere, awesome food and the friendliest staff in town. We sat on the patio for Happy Hour then had several appetizers. Everything was terrific. Great prices as well. This is a winner. | |
| 5 | 2016-07-31 | | 3.42857142857143 | | Wow. Possibly the best BBQ that I have ever had, and I lived in Oklahoma for 8 years. The chopped and sliced brisket were amazing - and the BBQ sauce was amazing as well. Potato salad was decent, but I'm not the best judge of BBQ restaurant side dishes. The smoked pecan pie was amazing as well. Might have to wait in a line here, but it's well worth the wait! | |
| 6 | 2009-04-26 | | 3.42857142857143 | | We went up here for a party a few weeks ago and wow, what a beautiful place. The drive up was incredible and the view was just amazing. The service\/food\/drinks were great the entire night and what a wonderful night sitting out by the fireplace looking out over the city. Great place for a Party and I can't wait to go back for a nice little romantic dinner for two. Maybe I'll be back with 5 stars? | |
| 7 | 2016-01-09 | | 3.4 | | Wow!!! What a great place!!! You walk in and are instantly in a great mood - the atmosphere is one of the best feelings in Phoenix! We always get the chicken nachos (WOW! The white sauce is a special treat), then we get the chicken burrito with extra chicken and two-four fish tacos!!! The breading is incredible on the fish tacos! We will be back - with lots of friends next time! | |
| 8 | 2017-04-26 | | 3.4 | | Wow! If you are moving in the Phonenix area this is absolutely the company to use. They have moved for me twice now and they are fabulous. Customer service amazing plus they have good manners!! Thanks to Ray and Adrian for making the move so much easier! Sherrie Walt | |
| 9 | 2012-07-09 | | 3.4 | | Oh my! These cookies are fantastic. I brought them into work and everyone is my best friend now. The owners are super fantastic and have delivered for me on several occasions. I am so happy I found them through the Local First Arizona site. :) | |
| 10 | 2015-01-04 | | 3.4 | | Amazing salsa bar! There wasn't one that I disliked, although there was a chipotle one that I loved the most. The pastor tacos were the best of the street tacos we tried. Amazing flavor! The carne asada was okay; not great. Would go back for the salsa, pastor, and to try other things. | |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [2](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

18 **Bobby Q**

18.1 Word Cloud of business **Bobby Q**

Code

A close-up of a word cloud

Description automatically generated

18.2 Ten most common words used in reviews of business **Bobby Q**

We examine the Top Ten Most Common words and show them in a bar graph.

Code

A graph with orange bars

Description automatically generated

18.3 Sentiment Analysis - Postive and Not So Postive Words of **Bobby Q**

We display the Positive and Not So Positive words used by reviewers for the business Bobby Q.We have used the **AFINN sentiment lexicon**, which provides numeric positivity scores for each word, and visualize it with a bar plot.

Code

A graph with red and blue squares

Description automatically generated

18.4 Calculate Sentiment for the reviews

We calculate the sentiment scores for all the reviews using the **AFINN sentiment lexicon**. We display the Top Six sentiments here.

Code

## # A tibble: 6 x 3

## review\_id sentiment words

## <chr> <dbl> <int>

## 1 \_\_1S8Un1okXlAwG102WRpA 1.86 7

## 2 \_\_SMf25RfkUjzZwvBn-lBA 2.03 29

## 3 \_-YhAX7M6505DV2eNu9oWA 1.38 8

## 4 \_0\_Eus9\_l36dI0bpn2hWgw 2.00 6

## 5 \_6gvNycXw7dgnBeGUkODRA 2.25 8

## 6 \_9p103HS4Gg\_9iuLxRMVKA 0.943 35

18.5 Negative Reviews

Code

|  | | date | | sentiment | | text |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | |  | |
| 1 | 2017-02-03 | | -0.6 | | Love this place! Ugh the bad experience (see my review) at Red River BBQ was the most disgusting BBQ and over all worst experience. So my husband made it up to me by bringing me here to Bobby Q's. The Q'lada drink was great! The brisket was so moist and flavorful. Pecan coleslaw Yum!!!! Service is very attentive and the management exceptional!!! | |
| 2 | 2017-11-10 | | -0.6 | | This was my first time eating at Bobby Q's, I had 9 guests including myself with no reservation. The ladies up front greeted myself as well as everyone else and asked us to wait. We were seated in a timely fashion. The prices were EXTREMLEY overpriced for the crap food you get. The mashed potatoes and gravy were cold, and goopy, the macaroni and cheese was soupy. I took 1 bite and sent it back! The manager came over dressed in pajamas and UGH BOOTS on. The table where I sat was right in front of the kitchen and I saw her giving the staff as well as the guests dirty looks. She is was so unprofessionally dressed for a manager. The food was so over rated as well as our waitress who apparently feels it is acceptable to dress crappy too just like the example being set by her Manager. I got ONE re fill the entire time I was there and I had WATER !!! ugh, my bill for 5 people was $142.00 including gratuity. I would never go back !! WAY OVER RATED !! | |
| 3 | 2014-06-28 | | -0.818181818181818 | | My reason for the low rating is due to misinformation about their happy hour buffet regulations. I did some researching before heading last night and nowhere did I read about an age restriction in order to partake in the section where they hold the buffet. So when my husband and I and our friends, who had a baby with them tried going in we were shocked to learn we wouldn't be allowed to go in because we had a baby with us. Yet none of this information was posted any where so we were all surprised. Also the fact that there was no manager present did not help our situation, what place doesn't have a manager present at all times? What made things worst was how the host who went by choo choo came off to us as rude when dealing with our situation. We had a big group of friends waiting for us at the patio, where we could of easily been seated but had to turn away and leave our friends because they refused to let us go in. Disappointing costumer service to say the least. | |
| 4 | 2014-02-23 | | -0.857142857142857 | | The food is ok, but the service is terrible. I dined here with my family, when the clumsy waitress brought our food, she knocked ketchup over all over me and my shoes. She didn't even offer to provide a credit on the bill for the inconvenience. I took my clothes to cleaners and fortunately it came out. However, I took my $300 leather shoes to to get cleaned, and the oil from the ketchup and left a big stain in the leather. I called the restaurant to speak to a manager. No return call. I drove back up to the restaurant to speak to a manager, a week later. She GM wasn't in, and the Asst. Manager said she has no authority to do anything. (Well why are you an Asst. Mngr). She said she would have the manager call me the next day. It's been 2 weeks and still no return call. | |
| 5 | 2015-03-23 | | -1 | | Make reservations! We got there at 6 pm on Sunday and had a 45 min wait. It was my sons birthday so we didn't mind the wait. We were seated and our server was right on top of getting out drinks. She took our order and 45 mins later our food finally came. I watched other tables that had been seated after us by 20 mins receive their food long before ours ever came out. Our server did finally come to tell us there had been a mix up and the manager would be out to explain and offer dessert for our inconvenience. I figured another server had taken our plates. or Our ticket had been lost. The place was mobbed so I do expect some inaccuracy. The manager did come over and asked "How is everything tasting" and before we could empty our mouths to speak I put my thumb up and she did an about face and left. It took 2 hours to get a table and food and less than 10 mins to eat. We told the server the manager didn't even give us time to respond. The manager came out and offered us dessert at no cost. In the end our entire meal was on the house. I didn't expect that but they obviously wanted us back. I'm sure we will give it another try because the food was exceptional..Although the grilled veggies were too greasy and over cooked. | |
| 6 | 2016-05-21 | | -1.16666666666667 | | Rude staff. The manager is a self important moron who believes that his word is God's law. The bouncers are rude for no reason, and even when it was clearly before the time that covers get charged, they charged a cover. Never go here. | |
| 7 | 2017-07-30 | | -1.2 | | They couldn't make two of the cocktails I requested. Strangely, the Mesa location can make both of them. I also asked for large portions of Mayo when we ordered our food. I had to almost beg for more Mayo. Because 1\/2 tablespoon of Mayo just wasn't enough. I'm unhappy because they did not listen to me at all. Shame son them. Fair warning all! | |
| 8 | 2015-03-28 | | -1.5 | | Let me start by saying I wish I could give it zero stars. Owners\/managers are racist, racist, racist!! It is blatantly obvious that their "dress code" in the lounge is not dependent on what you're wearing but what color your skin is. If you are African American take your money and patronage elsewhere and save yourself the frustration and harassment. We have been here dozens of times over the years and have spent thousands of dollars but we're done!! Their practice is unacceptable. Shame on them! | |
| 9 | 2016-06-03 | | -1.77777777777778 | | Sooooooooooo beyond disappointed, this was by far our worst restaurant experience since we've stepped off our plane. The ratings are completely false, has anyone in this area ever tasted gourmet Mac n Chz because that stuff that they serve called Mac n Chz is the worst I've tasted in a long time. The chicken, well can you just say extremely bland & beyond dry. Let's not forget to mention the calamari slash fish sticks, are you serious Mr. Bobby Q because being a Floridian that was definitely not the calamari that we're used to. A Florida restaurant would be closed down if they served crap like that. The only thing we left confused with are the ratings, come in fellow yelpers you're supposed to keep it real & you guys are just disillusioned. | |
| 10 | 2016-03-20 | | -1.85714285714286 | | One of the worst restaurants I have ever came across the service was horrible and the mangers have no class nor customer service on how u treat ur customers we came from an angel spring training game and had 1 drink at the bar we sat for 30min until we finally asked where our drinks were and was told we were not being servered cause we were intoxicated witch was false we were told to leave cause we asked questions on why were weren't being servered not only were we treated unfairly for no reason they profiled us for no reason..I will never go back and the most horrible service and experience EVER..they need to train there managers and employees on how to treat there customers WROST PlACE EVER | |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

18.6 Positive Reviews

We examine the Top Ten most postive reviews.

Code

|  | | date | sentiment | | | text |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | | |  |  | |
| 1 | 2017-07-09 | | | 3.6 | Great food and lots of it. It is amazing, and the ribs are wonderful & all the different sides, everything & great desserts, mgr & staff are wonderful. | |
| 2 | 2016-09-18 | | | 3.6 | Wow! What a fabulous dining experience! We tried a large sampling of menu items (7 kinds of meats, 6 sides, etc.) and all were scrumptious! Large servings + reasonable prices + great service + FINGER-LICKIN' GOOD FOOD = one amazing dinner. You've got to try Bobby Q if you've never been - and you'll be hooked for sure. | |
| 3 | 2015-12-21 | | | 3.5 | amazing. every time. this review isn't even necessary. I'm just writing it anyways to add another five star review to the most epic bbq place in Arizona. I will never go anywhere else, I've been to six other "amazing" "award winning" bbq places in Phoenix and they don't hold a candle to Bobby Q. excellent staff!!! perfect food!!! love the atmosphere!! awesome drinks!! | |
| 4 | 2017-08-04 | | | 3.5 | This was by far some of the best most amazing delicious melt-in-your-mouth barbecue that I have ever ever had. Fantastic looking restaurant. Fantastic staff. Amazing service. Everything was delicious. And very reasonable. I I highly recommend the two meat combo. | |
| 5 | 2017-07-03 | | | 3.4 | By far the best ribs I've ever had. Split the $52 Whole Hog Heaven platter with my wife. Two rib choices, two smoked meat choices and three sides. It was awesome. Their good rating on Yelp and a hankering for ribs before we boarded a plane back east led us to Bobby Qs and we're thrilled it did. | |
| 6 | 2015-04-27 | | | 3.4 | Hands down, some of the best slap your mama bbq I have ever had. Simply amazing. The server was awesome, energetic, and fun to boot. I will make it back... | |
| 7 | 2015-04-19 | | | 3.4 | Some of the best BBQ you will ever find in Phoenix, Arizona. Nice portions, great atmosphere, very nice patio and superb waitstaff make this the place to go for slow-smoked BBQ. We will definitely be back!! | |
| 8 | 2014-06-26 | | | 3.4 | I love this place!!!!! Great pricing on Food! Wonderful costumer service and I love the experience I get when I'm there ! The food is amazing !!!!! | |
| 9 | 2016-11-29 | | | 3.4 | It was amazing, our server Bryce gave us a complimentary dessert because we celebrating a night out just the two of us! Great portions and great food. Amazing! | |
| 10 | 2016-03-14 | | | 3.4 | Best BBQ I've ever had!!! The food was just as good as the service. The manager Taylor was superb! We had a grumpy toddler and he did everything he could to make her happy. The environment was great too!!! Can't wait to come back!! | |

* [Previous](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [1](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)
* [Next](https://www.kaggleusercontent.com/kf/2751126/eyJhbGciOiJkaXIiLCJlbmMiOiJBMTI4Q0JDLUhTMjU2In0..FCOs5UkHmnrUDTk0N5NqCA.SsQRZo-Ln945uz9iXvFRrpyk-kJdycGXHoiHdlvhbSDHSDWpgXThYqam-8wrShjoxgyVEp3ehCcN3QvCj1Xap8BKn_2ZF3hZnzSuYf4JD7824xl5hmWglOkd-t-TPm9WSLVgOETaFyHmRUuRxal4ZnzeLW_KdSjXwtpESCgQm-TZIOKneKM2_13EsEeLvYrAesFR63v3L_OlXbHmsMkBwV2c8NaellhDl8hwChChFNd_PgXL3_cF_EwGSmKWcievvYdp69EMOnmpnMpesiWNl4wWcmsoyJ5P3h1w9n0gfFEZcCs1Nkh7GiTWceWMzLfMWU3p75pK2NuclcgDJOcEC5-Q5MXXKuJhD5n9_ZoSfse0NH4vPwcZPi9e-yjo7xDPzdVFU2v2ZJWlXDQ43DkjIkfi7DCJgfIrA5MRzov5KanIOV7BO2yM_zqrWS4gRmvcdu3ZNg4Wut3NN9JVeWVY0QxgUJUi0iLEG-4oozWSqtqHRN6rDjHXlJvAvaxZxsyGOZseGdL7jm0Za933Mo9uF6AluEPQmycz-TA8fk6PwECjWAf7MW-ZexbZoncIosEOtkRJTECb1n7RuItD38C-V13fNuSULAxmeMEIDjfSnInf_eExKNWUHy0oAeb9BLPQ0MJfiIkaTXcRrdgqB4hZ_8tFCPovHHRUGnEn0VsTmfBrI4BFEbDQ73LNF4dadTiH.3u547PFVU3z1zCPqMhABpQ/__results__.html?sharingControls=true)

18.7 Relationship among words in **Bobby Q**

We explore the different relationship among the various words in Bobby Q here through a network graph

Code

A group of words and a line

Description automatically generated with medium confidence