

Riffle

ANALYZE REVIEWS WITH THE HELP OF A.I.

HASAN HAQ



*Smart consumers read
reviews, but we can't analyze
all of them.*

Irrelevant
Subjective
Incomplete



Bryan R.

New York, NY

Elite '14

115 friends

295 reviews



9/2/2014

What a great place for a random night.

I stumbled upon this place on Yelp one night when I was out alone on a work trip to SF. I stopped in for a drink and stayed for a few hours. I love the charm of this place and the welcoming nature. The bar kind of naturally selects for people willing to have a conversation with the person next to them. Also, there's a great burger place nearby that you can go and bring food back from (grab a burger for the bartender too).

Inaccurate
Subjective
Polarized



Chuck K.

Menlo Park, CA

134 friends

346 reviews



9/28/2007

My pork chop with pomegranate sauce was actually quite tasty. So why a 1 star review? Rude, poor service.

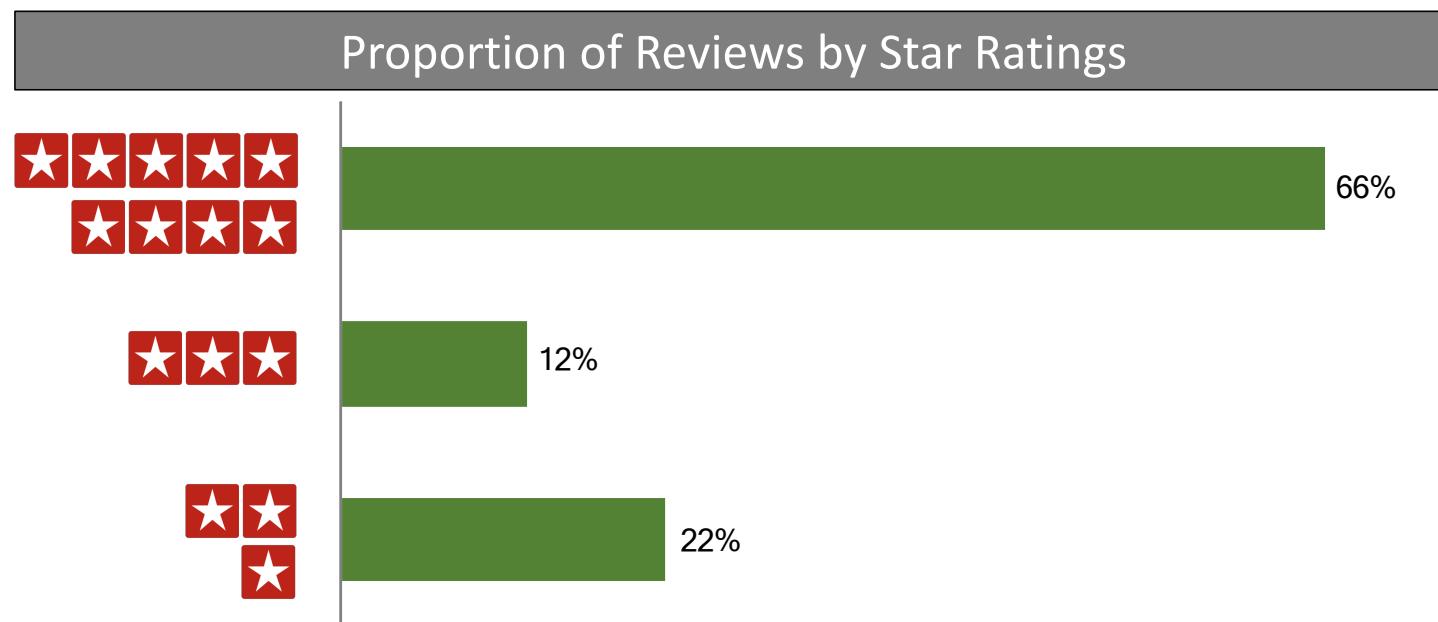
Our server was impatient, combative, and argumentative. Twice she came to the table and we were talking and didn't snap to immediately, she left and once gave us the "Wrap it up" signal with her finger.

Source: <http://minimaxir.com/2014/09/one-star-five-stars/>

*Let a computer do all the
work with **Riffle**.*

Yelp Dataset

- 4.1mm reviews
- 144k businesses
- USA, UK, Germany, Canada



Let Riffle Do It

Object Oriented Python

Train on 1
and 5 Star
Reviews

Assign
Simple
Ratings

Add
Penalties

Populate
SQL
Database

Deploy to
Web App

F1 Scores

XGBoost: 95%

Naïve Bayes: 93%

Random Forests: 92%

NLTK
TextBlob

AWS
Postgresql
Psycopg2

Flask
Apache

Riffle Product Demo

Secure https://www.yelp.com/search?find_desc=Best+Steakhouse&find_loc=Las+Vegas%2C+NV

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Restaurants Nightlife Home Services Write a Review Events Talk Log In

Best Steakhouse Las Vegas, NV

Showing 1-10 of 564

\$ \$\$ \$\$\$ \$\$\$\$ Open Now Make a Reservation All Filters

 Ad **Bazaar Meat by José Andrés**
★ ★ ★ ★ 527 reviews
\$\$\$\$ · Tapas/Small Plates, Spanish, Steakhouses

The Strip
2535 S Las Vegas Blvd
Las Vegas, NV 89109
(702) 761-7610

A good friend of ours recommended this place to us and since it was one of the Top 5 Steak Houses on America we decided to try it out. Let me first say that I never leave reviews.... [read more](#)

 Ad **Primarily Prime Rib Restaurant**
★ ★ ★ ★ 169 reviews
\$\$ · Steakhouses

Southeast
South Point Hotel & Casino
Las Vegas, NV 89183
(702) 797-8075

Away from the hustle and bustle of the casino on the mezzanine is South Point's newest restaurant addition, Primarily Prime Rib. Catering to hearty appetites, the menu features five... [read more](#)

 **1. Del Frisco's Double Eagle Steak House**
★ ★ ★ ★ 1132 reviews
\$\$\$\$ · Steakhouses

Eastside
3925 Paradise Rd
Las Vegas, NV 89169
(702) 796-0063

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Steakhouse and Seafood - Tri-Cities' Newest Steakhouse

Fredy's Steakhouse offers premier entrees and exceptional seafood. Call to book.

Thank you!

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