

Data Scientist Role Play: Profiling and Analyzing the Yelp Dataset

Coursera Worksheet

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This is a 2-part assignment. In the first part, you are asked a series of questions that will help you profile and understand the data just like a data scientist would. For this first part of the assignment, you will be assessed both on the correctness of your findings, as well as the code you used to arrive at your answer. You will be graded on how easy your code is to read, so remember to use proper formatting and comments where necessary.

In the second part of the assignment, you are asked to come up with your own inferences and analysis of the data for a particular research question you want to answer. You will be required to prepare the dataset for the analysis you choose to do. As with the first part, you will be graded, in part, on how easy your code is to read, so use proper formatting and comments to illustrate and communicate your intent as required.

For both parts of this assignment, use this "worksheet." It provides all the questions you are being asked, and your job will be to transfer your answers and SQL coding where indicated into this worksheet so that your peers can review your work. You should be able to use any Text Editor (Windows Notepad, Apple TextEdit, Notepad ++, Sublime Text, etc.) to copy and paste your answers. If you are going to use Word or some other page layout application, just be careful to make sure your answers and code are lined appropriately. In this case, you may want to save as a PDF to ensure your formatting remains intact for you reviewer.

Part 1: Yelp Dataset Profiling and Understanding

1. Profile the data by finding the total number of records for each of the tables below:

- i. Attribute table = 10,000
- ii. Business table = 10,000
- iii. Category table = 10,000
- iv. Checkin table = 10,000
- v. elite_years table = 10,000
- vi. friend table = 10,000
- vii. hours table = 10,000
- viii. photo table = 10,000
- ix. review table = 10,000
- x. tip table = 10,000
- xi. user table = 10,000

```
-- substitute attribute by table_name
SELECT COUNT(*)
FROM attribute
```

2. Find the total distinct records by either the foreign key or primary key for each table. If two foreign keys are listed in the table, please specify which foreign key.

Note: Primary Keys are denoted in the ER-Diagram with a yellow key icon.

Secondary keys are denoted in the ER-Diagram with a red icon.

Table-1

	Primary key (#records)	Foreign key(s) (#records)
i. Business	id (10,000)	X
ii. Hours	X	business_id (1,562)
iii. Category	X	business_id (2,643)
iv. Attribute	X	business_id (1,115)
v. Review	id (10,000)	business_id (8,090), user_id (9,581)
vi. Checkin	X	business_id (493)
viii. Tip	X	user_id (537), business_id (3,979)
ix. User	id (10,000)	X
x. Friend	X	user_id (11)
xi. Elite_years	X	user_id (2,780)

```
-- substitute id by primary_key or foreign_key and business by table_name
SELECT COUNT(DISTINCT id)
FROM business
```

3. Are there any columns with null values in the Users table? Indicate "yes," or "no."

Answer:

No

SQL code used to arrive at answer:

```
SELECT *
FROM user
WHERE
    id IS NULL OR -- this line is excludable since id is a primary key
    name IS NULL OR
    review_count IS NULL OR
    yelping_since IS NULL OR
    useful IS NULL OR
    funny IS NULL OR
    cool IS NULL OR
    fans IS NULL OR
    average_stars IS NULL OR
    compliment_hot IS NULL OR
    compliment_more IS NULL OR
    compliment_cute IS NULL OR
    compliment_list IS NULL OR
    compliment_note IS NULL OR
    compliment_plain IS NULL OR
    compliment_cool IS NULL OR
    compliment_funny IS NULL OR
    compliment_writer IS NULL OR
    compliment_photos IS NULL
```

4. For each table and column listed below, display the smallest (minimum), largest (maximum), and average (mean) value for the following fields:

i. Table: Review, Column: Stars

min: 1 max: 5 avg: 3.7082

ii. Table: Business, Column: Stars

min: 1 max: 5 avg: 3.6549

iii. Table: Tip, Column: Likes

min: 0 max: 2 avg: 0.0144

iv. Table: Checkin, Column: Count

min: 1 max: 53 avg: 1.9414

v. Table: User, Column: Review_count

min: 0 max: 2000 avg: 24.2995

```
-- substitute review_count by Column and user by Table
SELECT
  MIN(review_count)
  ,MAX(review_count)
  ,AVG(review_count)
FROM user
```

5. List the cities with the most reviews in descending order:

SQL code used to arrive at answer:

```
SELECT
  city
  ,review_count
FROM business
ORDER BY review_count DESC -- sorted in descending order of review_count
```

Copy and Paste the Result Below:

city	review_count
Las Vegas	3873
Montréal	1757
Gilbert	1549
Las Vegas	1410
Las Vegas	1389
Las Vegas	1252
Las Vegas	1116
Las Vegas	1084
Las Vegas	961
Gilbert	902
Las Vegas	864
Scottsdale	823
Las Vegas	821
Las Vegas	786
Henderson	785
Toronto	778
Las Vegas	768
Las Vegas	758
Scottsdale	726
Cleveland	723
Las Vegas	720
Charlotte	715
Phoenix	711
Las Vegas	706
Phoenix	700

(Output limit exceeded, 25 of 10000 total rows shown)

6. Find the distribution of star ratings to the business in the following cities:

i. Avon

SQL code used to arrive at answer:

```
SELECT
  stars AS Star_Rating_For_City_Avon
  ,COUNT(stars) -- count how many times same star given for the city
FROM business
WHERE city = 'Avon'
GROUP BY stars -- group by same star ratings
```

Copy and Paste the Resulting Table Below (2 columns – star rating and count):

Star_Rating_For_City_Avon	COUNT(stars)
1.5	1
2.5	2
3.5	3
4.0	2
4.5	1
5.0	1

ii. Beachwood

SQL code used to arrive at answer:

```
SELECT
    stars AS Star_Rating_For_City_Avon
    ,COUNT(stars) -- count how many times same star given for the city
FROM business
WHERE city = 'Beachwood'
GROUP BY stars -- group by same star ratings
```

Copy and Paste the Resulting Table Below (2 columns – star rating and count):

Star_Rating_For_City_Avon	COUNT(stars)
2.0	1
2.5	1
3.0	2
3.5	2
4.0	1
4.5	2
5.0	5

7. Find the top 3 users based on their total number of reviews:

SQL code used to arrive at answer:

```
SELECT
    name AS 'name_of_user'
    ,review_count
FROM user
ORDER BY review_count DESC -- sort in descending order of reviews
LIMIT 3 -- view only top 3
```

Copy and Paste the Result Below:

name_of_user	review_count
Gerald	2000
Sara	1629
Yuri	1339

8. Does posing more reviews correlate with more fans?

Posing more reviews correlate positively very weakly with more fans.

Please explain your findings and interpretation of the results:

SQL Code used to show review_count vs fans record in descending order:

```
SELECT
    name AS 'name_of_user'
    ,review_count
FROM user
ORDER BY review_count DESC -- sort in descending order of reviews
LIMIT 15 OFFSET 0; -
- LIMIT = how many records to show, OFFSET = start from which record
```

LIMIT 15 OFFSET 0

name_of_user	review_count
Gerald	2000
Sara	1629
Yuri	1339
.Hon	1246
William	1215
Harald	1153
eric	1116
Roanna	1039
Mimi	968
Christine	930
Ed	904
Nicole	864
Fran	862
Mark	861
Christina	842

By changing the OFFSET, or the starting position of record to show, we visualize two more intervals of records in the following Table.

LIMIT 15 OFFSET 75 (left) OFFSET 250 (right)

name_of_user	review_count	fans	name_of_user	review_count	fans
Steven	400	35	Akansha	195	12
Justin	399	17	Kelly	195	10
Jessica	398	14	Marisa	195	18
Jen	388	27	Brey	194	9
Alias	379	14	Paula	193	2
Katrina	378	18	John	191	20
Cat	377	133	Melissa	189	9
Princeton	376	64	Becca	189	21
Sara	373	15	Nomadic	188	2
Jennifer	365	5	Jacqueline	188	2
Linda	365	40	Mira	186	6
Renee	364	54	Tri	185	5
Song	363	33	Allison	184	22
C	363	17	Vrati	183	1
G	359	0	Erika	183	12

In record visualization, the records are viewed in the sorted descending order of review_count. It is observed that the number of fans in the intervals appear a bit randomly with no general increasing or decreasing trend of fan number with decrease of review_count. However, if we find the average of fan number for each of these intervals using the code below, we get more interesting observations.

SQL Code used to find average of number of fans for the interval of review_count:

```
SELECT
    AVG(fans) AS average_fans_from_1_to_15
FROM ( -- from the subquery
    SELECT fans, review_count
    FROM user
    ORDER BY review_count DESC -- sorted in desc order of reviews
    LIMIT 15 OFFSET 0 -- show 15 records starting from 1);
```

average_fans_from_1_to_15 = 140.8
average_fans_from_76_to_90 = 32.4
average_fans_from_251_to_265 = 10.067 (approx.)
average_fans_from_451_to_465 = 7.267 (approx.)
average_fans_from_751_to_765 = 3.667 (approx.)
average_fans_from_1501_to_1515 = 1.533 (approx.)
average_fans_from_3001_to_3015 = 0.067 (approx.)

It is easy to observe that, with interval of 15, the average of each of these intervals are decreasing, meaning the number of fans is decreasing on average with decreasing intervals of review_count with review_count being in descending order in all intervals. So, we interpret that there is a weak positive correlation between review_count and number of fans. However, further concrete conclusion on this correlation can be obtained investigating the correlation coefficient between these two columns, which is outside the scope of this report.

9. Are there more reviews with the word "love" or with the word "hate" in them?

Answer: There are more reviews with the word "love" in them than "hate".

Reviews Having love	Reviews Having hate
1780	232

SQL code used to arrive at answer:

```
SELECT
    COUNT(text) AS 'Reviews Having love' -- count how many texts are returned
FROM review
WHERE text like '%love%' -- checking if text has love in it using wildcard
```

10. Find the top 10 users with the most fans:

SQL code used to arrive at answer:

```
SELECT
    name AS 'UserName'
    ,fans AS 'NumberOfFans'
from user
ORDER BY fans DESC -- sort in descending order of fan number
LIMIT 10 -- show top ten users
```

Copy and Paste the Result Below:

UserName	NumberOfFans
Amy	503
Mimi	497
Harald	311
Gerald	253
Christine	173
Lisa	159
Cat	133
William	126
Fran	124
Lissa	120

Part 2: Inferences and Analysis

1. Pick one city and category of your choice and group the businesses in that city or category by their overall star rating. Compare the businesses with 2-3 stars to the businesses with 4-5 stars and answer the following questions. Include your code.

First, let us investigate how many unique (distinct) categories and unique (distinct) cities are there in the category table and business city respectively following the below code structure:

```
select count(DISTINCT category) --replace category by column_name
from category -- replace category by table_name
```

count(DISTINCT category)	count(DISTINCT city)
712	362

```
select (city), count(city)
from business
GROUP BY city
ORDER BY count(city) DESC
LIMIT 10
```

We visualize the highest category and highest city in the whole dataset.

category	count(category)	city	count(city)
Restaurants	912	Las Vegas	1561
Food	425	Phoenix	1001
Shopping	405	Toronto	985
Beauty & Spas	224	Scottsdale	497
Nightlife	214	Charlotte	468
Home Services	203	Pittsburgh	353
Health & Medical	196	Montréal	337
Bars	185	Mesa	304
Local Services	166	Henderson	274
Automotive	163	Tempe	261

We choose the city Las Vegas and the category Restaurants.

```
SELECT
CASE
    WHEN b.stars >= 4 THEN '4-5 Stars'
    WHEN (b.stars >= 2 AND b.stars <= 3) THEN '2-3 Stars'
    END AS rating

, COUNT(*) AS rating_count
FROM business b

WHERE b.city LIKE '%las%'
GROUP BY rating
```

rating	rating_count
None	337
2-3 Stars	430
4-5 Stars	869

i. Do the two groups you chose to analyze have a different distribution of hours?

Yes, 2-3 Stars restaurant named Wingstop in Las Vegas everyday have the same opening to closing hours - 11:00 to 0:00. On the other hand, the 4-5 stars restaurants Jacques Café and Big Wong Restaurant have varying range of opening hours. So, the distribution of hours is different.

rating	name	hours
2-3 Stars	Wingstop	Wednesday 11:00-0:00
2-3 Stars	Wingstop	Tuesday 11:00-0:00
2-3 Stars	Wingstop	Thursday 11:00-0:00
2-3 Stars	Wingstop	Sunday 11:00-0:00
2-3 Stars	Wingstop	Saturday 11:00-0:00
2-3 Stars	Wingstop	Monday 11:00-0:00
2-3 Stars	Wingstop	Friday 11:00-0:00
4-5 Stars	Jacques Cafe	Wednesday 11:00-20:00
4-5 Stars	Big Wong Restaurant	Wednesday 10:00-23:00
4-5 Stars	Jacques Cafe	Tuesday 11:00-20:00
4-5 Stars	Big Wong Restaurant	Tuesday 10:00-23:00
4-5 Stars	Jacques Cafe	Thursday 11:00-20:00
4-5 Stars	Big Wong Restaurant	Thursday 10:00-23:00
4-5 Stars	Jacques Cafe	Sunday 8:00-14:00
4-5 Stars	Big Wong Restaurant	Sunday 10:00-23:00
4-5 Stars	Jacques Cafe	Saturday 11:00-20:00
4-5 Stars	Big Wong Restaurant	Saturday 10:00-23:00
4-5 Stars	Jacques Cafe	Monday 11:00-20:00
4-5 Stars	Big Wong Restaurant	Monday 10:00-23:00
4-5 Stars	Jacques Cafe	Friday 11:00-20:00
4-5 Stars	Big Wong Restaurant	Friday 10:00-23:00

```
SELECT
  CASE
    WHEN b.stars >= 4 THEN '4-5 Stars'
    WHEN (b.stars >= 2 AND b.stars <= 3) THEN '2-3 Stars'
    END AS rating
  , b.name
  , h.hours

FROM business b
  INNER JOIN category c
    ON b.id = c.business_id

    INNER JOIN hours h
      ON b.id = h.business_id

WHERE b.city = 'Las Vegas'
  AND c.category = 'Restaurants'
  AND rating IS NOT NULL
ORDER BY rating, hours DESC
```

ii. Do the two groups you chose to analyze have a different number of reviews?

Yes, the number of reviews is different for two groups- 2-3 stars and 4-5 stars. 4-5 stars have a much higher number of ratings for each restaurants.

rating	name	review_count
2-3 Stars	Wingstop	123
4-5 Stars	Jacques Cafe	168
4-5 Stars	Big Wong Restaurant	768

```
SELECT
  CASE
    WHEN b.stars >= 4 THEN '4-5 Stars'
    WHEN (b.stars >= 2 AND b.stars <= 3) THEN '2-3 Stars'
    END AS rating
  , b.name
  , b.review_count
FROM business b
  INNER JOIN category c
    ON b.id = c.business_id

    INNER JOIN hours h
      ON b.id = h.business_id
WHERE b.city = 'Las Vegas'
  AND c.category = 'Restaurants'
  AND rating IS NOT NULL
GROUP BY b.review_count
```

iii. Are you able to infer anything from the location data provided between these two groups? Explain.

It can be inferred that, when we no longer care about hours data, another restaurant of 4-5 stars can be seen. Mainly, it can be observed that not many 2-3 stars or 4-5 stars restaurants are there in Las Vegas city.

rating	name	review_count	address	neighborhood	postal_code	latitude	longitude	state	is_open
4-5 Stars	Big Wong Restaurant	768	5040 Spring Mountain Rd	Chinatown	89146	36.1267	-115.21	NV	1
4-5 Stars	Hibachi-San	3	3480 S Maryland Pkwy	Eastside	89169	36.1259	-115.135	NV	0
4-5 Stars	Jacques Cafe	168	1910 Village Center Cir, Unit 1	Summerlin	89134	36.1933	-115.304	NV	0
2-3 Stars	Wingstop	123	5045 W Tropicana Ave		89103	36.1003	-115.21	NV	1

SQL code used for analysis:

```
SELECT
  CASE
    WHEN b.stars >= 4 THEN '4-5 Stars'
    WHEN (b.stars >= 2 AND b.stars <= 3) THEN '2-3 Stars'
    END AS rating
  , b.name
  , b.review_count
  , b.address
```

```

, b.neighborhood
, b.postal_code
, b.latitude
, b.longitude
, b.state
, b.is_open

FROM business b
  INNER JOIN category c
    ON b.id = c.business_id
WHERE b.city = 'Las Vegas'
  AND c.category = 'Restaurants'
  AND rating IS NOT NULL
GROUP BY b.name

```

2. Group business based on the ones that are open and the ones that are closed. What differences can you find between the ones that are still open and the ones that are closed? List at least two differences and the SQL code you used to arrive at your answer.

i. Difference 1: Most businesses are open (8,480 out of 10,000), and comparing open and closed businesses that have reviews, open businesses had their latest review on July 2017 whereas closed businesses got last review on July 2016 by latest, which is one year before.

Latest_reviews_of_open_business_dates	Latest_reviews_of_closed_business_dates
2017-07-24 00:00:00	2016-07-09 00:00:00
2017-07-18 00:00:00	2016-04-16 00:00:00
2017-07-18 00:00:00	2016-03-30 00:00:00
2017-07-12 00:00:00	2015-12-31 00:00:00
2017-07-12 00:00:00	2015-11-15 00:00:00

ii. Difference 2: Open businesses have a higher average reviews than closed ones.

is_open	AVG(review_count)
1	31.757075471698112
0	23.198026315789473

SQL code used for analysis:

```

SELECT
  r.date AS 'Latest_reviews_of_open_business_dates'
FROM business b
  INNER JOIN review r -- businesses that has reviews
    ON b.id = r.business_id
WHERE is_open = 1 -- open business
ORDER BY r.date DESC
LIMIT 5

```

```

SELECT
    is_open
    ,AVG(review_count)
    -- count average of review_count for open business
FROM business
WHERE is_open = 1

```

3. For this last part of your analysis, you are going to choose the type of analysis you want to conduct on the Yelp dataset and are going to prepare the data for analysis.

Ideas for analysis include: Parsing out keywords and business attributes for sentiment analysis, clustering businesses to find commonalities or anomalies between them, predicting the overall star rating for a business, predicting the number of fans a user will have, and so on. These are just a few examples to get you started, so feel free to be creative and come up with your own problem you want to solve. Provide answers, in-line, to all of the following:

i. Indicate the type of analysis you chose to do: [Find the noisiest restaurant with its characteristics](#)

ii. Write 1-2 brief paragraphs on the type of data you will need for your analysis and why you chose that data: [First, different categories of businesses were visualized in descending order. Restaurants were found to be highest in terms of number of businesses. Noisy restaurants may often be attractive to young people looking for a hangout, or one to avoid for people who want a calm environment. So, the noisiest restaurant was found through querying the attribute with name NoiseLevel. The only restaurant that was found was Big Smoke Burger. Then by making inner joins with some other tables, all characteristics of this very loud noisy restaurant was explored.](#)

iii. Output of your finished dataset:

Visualization of different categories of businesses with number

Number of businesses	category
71	Restaurants
30	Shopping
23	Food
20	Nightlife
17	Bars
17	Health & Medical
16	Home Services
13	Beauty & Spas
12	Local Services
11	American (Traditional)

Finding the noisiest restaurant

id	business id	name	category	name	value
1AxEmgv8Dsr3iU9Aa40jPw	1AxEmgv8Dsr3iU9Aa40jPw	Nabers Music, Bar & Eats	Restaurants	NoiseLevel	average
-2q4dnUw0gGJniGW2aPamQ	-2q4dnUw0gGJniGW2aPamQ	Fiesta Ranchera	Restaurants	NoiseLevel	quiet
01xXe2m z048W5gcBFpoJA	01xXe2m z048W5gcBFpoJA	Five Guys	Restaurants	NoiseLevel	average
0u2xwNy07-z3gv0tpuJX2Q	0u2xwNy07-z3gv0tpuJX2Q	Subway	Restaurants	NoiseLevel	average
1CP8aJa8ILlFm5deroar0Q	1CP8aJa8ILlFm5deroar0Q	Wingstop	Restaurants	NoiseLevel	average
-xEQGKqKZzvkdYVQil1Qtrg	-xEQGKqKZzvkdYVQil1Qtrg	Royal Dumpling	Restaurants	NoiseLevel	average
0kyhbUW6NkpYjJzFBZ64vQ	0kyhbUW6NkpYjJzFBZ64vQ	The Cider Mill	Restaurants	NoiseLevel	quiet
2rcrwnlPd w5oieGVyDgwp	2rcrwnlPd w5oieGVyDgwp	Masamune Japanese Restaurant	Restaurants	NoiseLevel	average
1Ds8V2c7LlwSAA30-9f4cA	1Ds8V2c7LlwSAA30-9f4cA	McDonald's	Restaurants	NoiseLevel	average
0kzPQQL8wVcHlBQzMdRdWQ	0kzPQQL8wVcHlBQzMdRdWQ	Thirsty Goat	Restaurants	NoiseLevel	average
0B3W6KxkD3o4W416cq735w	0B3W6KxkD3o4W416cq735w	Big Smoke Burger	Restaurants	NoiseLevel	very_loud
1_y5e1u-o93EK01gXgR3LQ	1_y5e1u-o93EK01gXgR3LQ	Hermanos Mexican Grill	Restaurants	NoiseLevel	average
2LVuwl-eH-8PfiKyFmgcTQ	2LVuwl-eH-8PfiKyFmgcTQ	Papa Da Vinci	Restaurants	NoiseLevel	average
37kk0IW6jL7Z1xzF6k2QBg	37kk0IW6jL7Z1xzF6k2QBg	Edulis	Restaurants	NoiseLevel	average
0hBGwOLU2UfiYXkM8wc8Hw	0hBGwOLU2UfiYXkM8wc8Hw	Otto Onkel	Restaurants	NoiseLevel	average
1NyHpXJqSLHnvDCOW0nJDg	1NyHpXJqSLHnvDCOW0nJDg	Pizzaiolo	Restaurants	NoiseLevel	average
-2bYV9zVtn2F5Xp1AaHt5A	-2bYV9zVtn2F5Xp1AaHt5A	Deli 194	Restaurants	NoiseLevel	average
2skQeu3C36VCiB653Mifrw	2skQeu3C36VCiB653Mifrw	Bootleggers Modern American Smokehouse	Restaurants	NoiseLevel	average
1mkDrJru3VABKy95gxD-Hg	1mkDrJru3VABKy95gxD-Hg	Charlie D's Catfish & Chicken	Restaurants	NoiseLevel	average
-0DET7VdEqQJvJ v6klEug	-0DET7VdEqQJvJ v6klEug	Flaming Kitchen	Restaurants	NoiseLevel	average

Different attributes of the restaurant Big Smoke Burger

name	category	name	value
Big Smoke Burger	Restaurants	RestaurantsTableService	0
Big Smoke Burger	Restaurants	GoodForMeal	["dessert": false, "latenight": false, "lunch": true, "dinner": false, "breakfast": false, "brunch": false]
Big Smoke Burger	Restaurants	Alcohol	none
Big Smoke Burger	Restaurants	Caters	0
Big Smoke Burger	Restaurants	HasTV	0
Big Smoke Burger	Restaurants	RestaurantsGoodForGroups	1
Big Smoke Burger	Restaurants	NoiseLevel	very_loud
Big Smoke Burger	Restaurants	WiFi	true
Big Smoke Burger	Restaurants	RestaurantsAttire	casual
Big Smoke Burger	Restaurants	RestaurantsReservations	0
Big Smoke Burger	Restaurants	OutdoorSeating	0
Big Smoke Burger	Restaurants	BusinessAcceptsCreditCards	1
Big Smoke Burger	Restaurants	RestaurantsPriceRange2	2
Big Smoke Burger	Restaurants	WheelchairAccessible	1
Big Smoke Burger	Restaurants	BikeParking	1
Big Smoke Burger	Restaurants	RestaurantsDelivery	0
Big Smoke Burger	Restaurants	Ambience	["romantic": false, "intimate": false, "classy": false, "hipster": false, "touristy": false, "trendy": false, "upscale": false, "casual": true]
Big Smoke Burger	Restaurants	GoodForKids	1
Big Smoke Burger	Restaurants	DriveThru	0
Big Smoke Burger	Restaurants	BusinessParking	["garage": true, "street": false, "validated": false, "lot": false, "valet": false]

Opening hours of Big Smoke Burger

hours	business_id
Monday 10:30-21:00	0B3W6KxkD3o4W416cq735w
Tuesday 10:30-21:00	0B3W6KxkD3o4W416cq735w
Friday 10:30-21:00	0B3W6KxkD3o4W416cq735w
Wednesday 10:30-21:00	0B3W6KxkD3o4W416cq735w
Thursday 10:30-21:00	0B3W6KxkD3o4W416cq735w
Sunday 11:00-19:00	0B3W6KxkD3o4W416cq735w
Saturday 10:30-21:00	0B3W6KxkD3o4W416cq735w

One photo available of this restaurant

id	business_id	caption	label
0KUkwx7Wk46bMNxVQV_sNw	0B3W6KxkD3o4W416cq735w		outside

Big Smoke Burger is still open with 3.0 stars and 47 reviews

is_open	stars	review_count
1	3.0	47

But the tables review, and checkin did not have any data related to this restaurant.

iv. Provide the SQL code you used to create your final dataset:

SELECT

b.name

,c.category

,a.name

,a.value

,p.label

,h.hours

FROM (((business b

INNER JOIN category c

ON b.id = c.business_id)

INNER JOIN attribute a

ON b.id = a.business_id)

INNER JOIN photo p

ON b.id = p.business_id)

INNER JOIN hours h

ON b.id = h.business_id

WHERE c.category = 'Restaurants' AND a.business_id = '0B3W6KxkD3o4W416cq735w'