

Data Scientist Role Play: Profiling and Analyzing the Yelp Dataset Coursera Worksheet

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 :

--to find the total number of data in the attribute table
select * from attribute;

Output : 10000

ii. Business table :

--to find the total number of data in the business table
select * from business;

Output : 10000

iii. Category table :

--to find the total number of data in the category table
select * from category;

Output : 10000

iv. Checkin table :

--to find the total number of data in the checkin table
select * from checkin;

Output : 10000

v. elite_years table :

--to find the total number of data in the elite_years table
select * from elite_years;

Output : 10000

vi. friend table :

--to find the total number of data in the friend table
select * from friend;

Output : 10000

vii. hours table :

--to find the total number of data in the hours table
select * from hours;

Output : 10000

viii. photo table :

--to find the total number of data in the photo table
select * from photo;

Output : 10000

ix. review table :

--to find the total number of data in the review table
select * from review;

Output : 10000

x. tip table :

--to find the total number of data in the tip table
select * from tip;

Output : 10000

xi. user table :

--to find the total number of data in the tip table
select * from tip;

Output : 10000

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.

i. Business :

--to find the total number of distinct data in the Business table

```
select distinct * from Business;
```

Output : 10000

ii. Hours :

--to find the total number of distinct data in the hours table

```
select distinct * from hours;
```

Output : 10000

iii. Category :

--to find the total number of distinct data in the Category table

```
select distinct * from Category;
```

Output : 10000

iv. Attribute :

--to find the total number of distinct data in the Attribute table

```
select distinct * from Attribute;
```

Output : 10000

v. Review :

--to find the total number of distinct data in the Review table

```
select distinct * from Review;
```

Output : 10000

vi. Checkin :

--to find the total number of distinct data in the Checkin table

```
select distinct * from Checkin;
```

Output : 10000

vii. Photo :

--to find the total number of distinct data in the Photo table

```
select distinct * from Photo;
```

Output : 10000

viii. Tip :

--to find the total number of distinct data in the Tip table

```
select distinct * from Tip;
```

Output : 10000

ix. User :

--to find the total number of distinct data in the User table

```
select distinct * from User;
```

Output : 10000

x. Friend :

--to find the total number of distinct data in the Friend table

```
select distinct * from Friend;
```

Output : 10000

xi. Elite_years :

--to find the total number of distinct data in the Elite_years table

```
select distinct * from Elite_years;
```

Output : 10000

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

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

Answer:Yes

SQL code used to arrive at answer:

--to find the description of the datatypes for the user table

```
pragma table_info('user');
```

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
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ii. Table: Business, Column: Stars

min:1.0	max: 5.0	avg: 3.6549
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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

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

SQL code used to arrive at answer:

```
select city, sum(review_count) as reviews
from business
group by city
order by sum(review_count) desc;
```

Copy and Paste the Result Below:

city	reviews
Las Vegas	82854
Phoenix	34503
Toronto	24113
Scottsdale	20614
Charlotte	12523
Henderson	10871
Tempe	10504
Pittsburgh	9798
Montréal	9448
Chandler	8112
Mesa	6875
Gilbert	6380
Cleveland	5593
Madison	5265
Glendale	4406
Mississauga	3814
Edinburgh	2792
Peoria	2624
North Las Vegas	2438
Markham	2352

Champaign	2029	
Stuttgart	1849	
Surprise	1520	
Lakewood	1465	
Goodyear	1155	

+-----+-----+

(Output limit exceeded, 25 of 362 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:

```

Count_of_stars      select stars as Rating, count(stars) as
                    from business b
                    where city = 'Avon'
                    group by stars

```

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

Rating	Count_of_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:

```

Count_of_stars      select stars as Rating, count(stars) as
                    from business b
                    where city = 'Beachwood'
                    group by stars

```

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

Rating	Count_of_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, review_count as reviews
from user
order by review_count desc
limit 3;
```

Copy and Paste the Result Below:

name	reviews
Gerald	2000
Sara	1629
Yuri	1339

8. Does posing more reviews correlate with more fans?

Please explain your findings and interpretation of the results:

More reviews and fans are not correlated. Below representation will explain my stand :-

–SQL Query to find the fans and review counts and then sorting the fans in descending order:-

```

select name, review_count, fans
      from user
     order by fans desc;

```

Output table :-

name	review_count	fans
Amy	609	503
Mimi	968	497
Harald	1153	311
Gerald	2000	253
Christine	930	173
Lisa	813	159
Cat	377	133
William	1215	126
Fran	862	124
Lissa	834	120
Mark	861	115
Tiffany	408	111
bernice	255	105
Roanna	1039	104
Angela	694	101
.Hon	1246	101
Ben	307	96
Linda	584	89
Christina	842	85
Jessica	220	84
Greg	408	81
Nieves	178	80
Sui	754	78
Yuri	1339	76
Nicole	161	73

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

In this we see Amy with review count 603 has 503 fans while that of Harald has 1153 review count yet gas 311 fans.

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

Answer: There are more review for the word "Love".

SQL code used to arrive at answer:

```
SELECT 'love' as Word, COUNT(text) as Count_of_text
FROM review
WHERE text LIKE '%love%'
UNION
SELECT 'hate' as Word, COUNT(text) as Count_of_text
FROM review
WHERE text LIKE '%hate%';
```

Output table :-

Word	Count_of_text
hate	232
love	1780

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

SQL code used to arrive at answer:

```
select name, fans
from user
order by fans desc
limit 10;
```

Copy and Paste the Result Below:

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

+-----+-----+

11. Is there a strong relationship (or correlation) between having a high number of fans and being listed as "useful" or "funny?" Out of the top 10 users with the highest number of fans, what percent are also listed as "useful" or "funny"?

Key:

0% - 25% - Low relationship

26% - 75% - Medium relationship

76% - 100% - Strong relationship

SQL code used to arrive at answer:

```
select name, fans, useful, funny
from user
order by fans desc, useful desc, funny desc
limit 10;
```

Copy and Paste the Result Below:

```
+-----+-----+-----+-----+
| name      | fans | useful | funny |
+-----+-----+-----+-----+
| Amy       | 503  | 3226   | 2554   |
| Mimi      | 497  | 257    | 138    |
| Harald    | 311  | 122921 | 122419 |
| Gerald    | 253  | 17524  | 2324   |
| Christine | 173  | 4834   | 6646   |
| Lisa      | 159  | 48     | 13     |
| Cat       | 133  | 1062   | 672    |
| William   | 126  | 9363   | 9361   |
| Fran      | 124  | 9851   | 7606   |
| Lissa     | 120  | 455    | 150    |
+-----+-----+-----+-----+
```

Please explain your findings and interpretation of the results:

It is not necessary that you have a high fan base to be funny or useful. In the result we see that Amy with 503 fans have been pointed by 2k+ as funny and 3k+ as useful. Whilst Harald with a fan base of 311 has been pointed by 12k+ as funny and 12k+ as useful.

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.

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

The 4-5 star business group seems to have shorter hours of business than the 2-3 star group. As the sample size was quite small so further analysing couldn't be predicted.

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

This is a yes no answer question. Let me tell you why so? one of the 4-5 star business had lots of reviews while the other in the same group had some reviews near about being same to that of 2-3 star business group.

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

I am unable to infer anything from the business location since they are all from different areas.

SQL code used for analysis:

```
SELECT B.name,
       B.review_count,
       H.hours,
       postal_code,
       CASE
         WHEN hours LIKE "%monday%" THEN 1
         WHEN hours LIKE "%tuesday%" THEN 2
         WHEN hours LIKE "%wednesday%" THEN 3
         WHEN hours LIKE "%thursday%" THEN 4
         WHEN hours LIKE "%friday%" THEN 5
         WHEN hours LIKE "%saturday%" THEN 6
         WHEN hours LIKE "%sunday%" THEN 7
       END AS ord,
       CASE
         WHEN B.stars BETWEEN 2 AND 3 THEN '2-3
stars'
         WHEN B.stars BETWEEN 4 AND 5 THEN '4-5
stars'
       END AS star_rating
```

```

FROM business B INNER JOIN hours H
ON B.id = H.business_id
INNER JOIN category C
ON C.business_id = B.id
WHERE (B.city == 'Las Vegas'
AND
C.category LIKE 'shopping')
AND
(B.stars BETWEEN 2 AND 3
OR
B.stars BETWEEN 4 AND 5)
GROUP BY stars,ord
ORDER BY ord,star_rating ASC;

```

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:

Review is an important aspect. The business which had a bad or low review are now closed while the good reviews are now running well.

ii. Difference 2:

The user rating for the business should also be considered as they need to be good enough to keep the business up and running.

SQL code used for analysis:

```

SELECT COUNT(DISTINCT(id)) as open_or_close,
        AVG(review_count) as review_count,
        SUM(review_count) as count_of_review,
        AVG(stars) as stars,
        is_open
FROM business
GROUP BY is_open;

```

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:
predicting if the business will stay open or close.

- ii. Write 1-2 brief paragraphs on the type of data you will need for your analysis and why you chose that data:

To better help businesses understand the importance of different factors which will help their business stay open. Some data that may be important like number of reviews, star rating of business, hours open, and of course location. We will gather the city, state, postal_code, and address to make processing easier later on. Categories and attributes will be used to better distinguish between different types of businesses. `is_open` will determine which business is open and which business have closed (not hours) but permanently.

- iii. Output of your finished dataset:

```

id | name |
address | city | state | pin_code |
| lat | long | count_of_review | review_stars |
monday_hours | tuesday_hours | wednesday_hours |
thursday_hours | friday_hours | saturday_hours | sunday_hours |
| categories |
| attributes |
| is_open |

```

A handwriting practice sheet featuring ten horizontal rows. Each row is defined by two parallel green dashed lines. A blue plus sign (+) is placed at the beginning of each row, serving as a starting point for letter formation. The plus signs are positioned at the left edge of the first green dashed line in each row.

-----+-----+
 | -0DET7VdEQ0JVJ_v6klEug | Flaming Kitchen |
 3235 York Regional Road 7 | Markham | ON | L3R 3P9
 | 43.8484 | -79.3487 | 25 | 3.0 |
 12:00-23:00 | 12:00-23:00 | 12:00-23:00 | 12:00-23:00
 | 12:00-23:00 | 12:00-23:00 | 12:00-23:00 | Asian
 Fusion, Restaurants
 |
 RestaurantsTableService, GoodForMeal, Alcohol, Caters, HasTV, RestaurantsGoodForGroups, NoiseLevel, WiFi, RestaurantsAttire, RestaurantsReservations, OutdoorSeating, RestaurantsPriceRange2, BikeParking, RestaurantsDelivery, Ambience, RestaurantsTakeOut, GoodForKids, BusinessParking
 | 1 |
 | -2HjuT4yjLZ3b5f_abD87Q | Freeman's Car Stereo |
 4821 South Blvd | Charlotte | NC | 28217
 | 35.1727 | -80.8755 | 8 | 3.5 |
 9:00-19:00 | 9:00-19:00 | 9:00-19:00 | 9:00-19:00
 | 9:00-19:00 | 9:00-17:00 | None |
 Electronics, Shopping, Automotive, Car Stereo Installation
 |
 BusinessAcceptsCreditCards, RestaurantsPriceRange2, BusinessParking, WheelchairAccessible
 | 1 |
 | -CdStAUdEvci8GeJG8owpQ | Motors & More |
 2315 Highland Dr | Las Vegas | NV | 89102
 | 36.1465 | -115.167 | 7 | 5.0 |
 7:00-17:00 | 7:00-17:00 | 7:00-17:00 | 7:00-17:00
 | 7:00-17:00 | 8:00-12:00 | None | Home
 Services, Solar Installation, Heating & Air Conditioning/HVAC
 |
 BusinessAcceptsCreditCards, BusinessAcceptsBitcoin, ByAppointmentOnly
 | 1 |
 | -K4gAv8_vjx8-2BxkVeRkA | Baby Cakes |
 4145 Erie St | Willoughby | OH | 44094
 | 41.6399 | -81.4064 | 5 | 3.5 | None
 | 11:00-17:00 | 11:00-17:00 | 11:00-20:00 |
 11:00-17:00 | 10:00-17:00 | None | Bakeries, Food
 |
 BusinessAcceptsCreditCards, RestaurantsTakeOut, WheelchairAccess

ible,RestaurantsDelivery

| 1 |
| -PtTGvWscKUL8tTutHr6Ew | Snip-its Rocky River |
21609 Center Ridge Rd | Rocky River | OH | 44116
| 41.4595 | -81.8587 | 18 | 2.5 |
10:00-19:00 | 10:00-19:00 | 10:00-19:00 | 10:00-19:00
| 10:00-19:00 | 9:00-17:30 | 10:00-16:00 | Beauty &
Spas,Hair Salons

|
BusinessAcceptsCreditCards,RestaurantsPriceRange2,GoodForKids,
BusinessParking,ByAppointmentOnly

| 1 |
| -ayZoW_iNDsunYXX_0x1YQ | Standard Restaurant Supply |
2922 E McDowell Rd | Phoenix | AZ | 85008
| 33.4664 | -112.018 | 15 | 3.5 |
8:00-18:00 | 8:00-18:00 | 8:00-18:00 | 8:00-18:00
| 8:00-18:00 | 9:00-17:00 | None |

Shopping,Wholesalers,Restaurant Supplies,Professional
Services,Wholesale Stores

|
BusinessAcceptsCreditCards,RestaurantsPriceRange2,BusinessPark
ing,BikeParking,WheelchairAccessible

| 1 |
| -d9qyfNhLMQwVVg_raBKeg | What A Bagel |
973 Eglinton Avenue W | York | ON | M6C 2C4
| 43.6999 | -79.4295 | 8 | 3.0 |
6:00-15:30 | 6:00-15:30 | 6:00-15:30 | 6:00-15:30
| 6:00-15:30 | 6:00-15:30 | None |

Restaurants,Bagels,Breakfast & Brunch,Food

|
NoiseLevel,RestaurantsAttire,RestaurantsTableService,OutdoorSe
ating

| 1 |
| -hjbcaxaU9yYXY2iI-49sw | Pinnacle Fencing Solutions |
| Phoenix | AZ | 85060 | 33.4805 | -111.997 |
13 | 4.0 | 8:00-16:00 | 8:00-16:00 | 8:00-16:00
| 8:00-16:00 | 8:00-16:00 | None | None

| Home Services,Contractors,Fences & Gates
| BusinessAcceptsCreditCards,ByAppointmentOnly

| 1 |
| -iu4FxdfxN4rU4Fu9BjiFw | Alterations Express |

17240 Royalton Rd | Strongsville | OH | 44136
 | 41.3141 | -81.8207 | 3 | 4.0 |
 8:00-19:00 | 8:00-19:00 | 8:00-19:00 | 8:00-19:00
 | 8:00-19:00 | 8:00-18:00 | None |
 Shopping,Bridal,Dry Cleaning & Laundry,Local Services,Sewing &
 Alterations
 |
 BusinessParking,BusinessAcceptsCreditCards,RestaurantsPriceRan
 ge2,BusinessAcceptsBitcoin,BikeParking,ByAppointmentOnly,Wheel
 chairAccessible
 | 1 |
 | -j4NsiRzSMrMk2N_bGH_SA | Extra Space Storage |
 2880 W Elliot Rd | Chandler | AZ | 85224
 | 33.3496 | -111.892 | 5 | 4.0 |
 8:00-17:30 | 8:00-17:30 | 8:00-17:30 | 8:00-17:30
 | 8:00-17:30 | 8:00-17:30 | 10:00-14:00 | Home
 Services,Self Storage,Movers,Shopping,Local Services,Home
 Decor,Home & Garden
 | BusinessAcceptsCreditCards
 | 1 |
 | -uiBBVWI6tMDm2JFbZFrOw | Gussied Up |
 1090 Bathurst St | Toronto | ON | M5R 1W5
 | 43.6727 | -79.4142 | 6 | 4.5 | None
 | 11:00-19:00 | 11:00-19:00 | 11:00-19:00 |
 11:00-19:00 | 11:00-17:00 | 12:00-16:00 | Women's
 Clothing,Shopping,Fashion
 |
 BusinessAcceptsCreditCards,RestaurantsPriceRange2,BusinessPark
 ing,BikeParking
 | 1 |
 | 0-aPEeNc2zVb5Gp-i7Ckqg | Buddy's Muffler & Exhaust |
 1509 Hickory Grove Rd | Gastonia | NC | 28056
 | 35.2772 | -81.06 | 4 | 5.0 |
 8:30-17:00 | 8:30-17:00 | 8:30-17:00 | 8:30-17:00
 | 8:30-17:00 | 9:00-15:00 | None |
 Automotive,Auto Repair
 | BusinessAcceptsCreditCards
 | 1 |
 | 01xXe2m_z048W5gcBFpoJA | Five Guys |
 2641 N 44th St, Ste 100 | Phoenix | AZ | 85008
 | 33.478 | -111.986 | 63 | 3.5 |

10:00-22:00 | 10:00-22:00 | 10:00-22:00 | 10:00-22:00
| 10:00-22:00 | 10:00-22:00 | 10:00-22:00 | American
(New), Burgers, Fast Food, Restaurants

|
RestaurantsTableService, GoodForMeal, Alcohol, Caters, HasTV, RestaurantsGoodForGroups, NoiseLevel, WiFi, RestaurantsAttire, RestaurantsReservations, OutdoorSeating, BusinessAcceptsCreditCards, RestaurantsPriceRange2, BikeParking, RestaurantsDelivery, Ambience, RestaurantsTakeOut, GoodForKids, DriveThru, BusinessParking

| 1 |
| 06I2r8S3tHP_LwGnnkk6Uw | All Storage - Anthem |
2620 W Horizon Ridge Pkwy | Henderson | NV | 89052
| 36.0021 | -115.102 | 3 | 3.5 |

9:00-16:30 | 9:00-16:30 | 9:00-16:30 | 9:00-16:30
| 9:00-16:30 | 9:00-16:30 | None | Truck
Rental, Local Services, Self Storage, Parking, Automotive
| BusinessAcceptsCreditCards, BusinessAcceptsBitcoin

| 1 |
| 07h3mGtTovPJE660nX6E-A | Mood | 1
Greenside Place | Edinburgh | EDH | EH1 3AA |
55.957 | -3.18502 | 11 | 2.0 | None
| None | None | 22:30-3:00 |
22:00-3:00 | 22:00-3:00 | 22:30-3:00 | Dance
Clubs, Nightlife

|
Alcohol, OutdoorSeating, BusinessAcceptsCreditCards, RestaurantsPriceRange2, AgesAllowed, Music, Smoking, RestaurantsGoodForGroups, WheelchairAccessible

| 0 |
| 0AJF-USLN6K5T4caooDdjw | Starbucks |
4605 E Chandler Blvd, Ste A | Phoenix | AZ | 85048
| 33.3044 | -111.984 | 52 | 3.0 |

5:00-20:00 | 5:00-20:00 | 5:00-20:00 | 5:00-20:30
| 5:00-20:00 | 5:00-20:00 | 5:00-20:00 | Coffee &
Tea, Food

|
BusinessParking, Caters, WiFi, OutdoorSeating, BusinessAcceptsCreditCards, RestaurantsPriceRange2, BikeParking, RestaurantsTakeOut

| 1 |
| 0B3W6KxkD3o4W4l6cq735w | Big Smoke Burger |
260 Yonge Street | Toronto | ON | M4B 2L9

| 43.6546 | -79.3805 | 47 | 3.0 |
10:30-21:00 | 10:30-21:00 | 10:30-21:00 | 10:30-21:00
| 10:30-21:00 | 10:30-21:00 | 11:00-19:00 |

Poutineries,Burgers,Restaurants

|

RestaurantsTableService,GoodForMeal,Alcohol,Caters,HasTV,RestaurantsGoodForGroups,NoiseLevel,WiFi,RestaurantsAttire,RestaurantsReservations,OutdoorSeating,BusinessAcceptsCreditCards,RestaurantsPriceRange2,WheelchairAccessible,BikeParking,RestaurantsDelivery,Ambience,RestaurantsTakeOut,GoodForKids,DriveThru,BusinessParking | 1 |

| 0IySwcfqwJjpHPsYwjpAkg | Subway |
2904 Yorkmont Rd | Charlotte | NC | 28208
| 35.1903 | -80.9288 | 7 | 3.5 |
6:00-22:00 | 6:00-22:00 | 6:00-22:00 | 6:00-22:00
| 6:00-22:00 | 10:00-21:00 | None | Fast

Food,Restaurants,Sandwiches

| Ambience,RestaurantsPriceRange2,GoodForKids

| 1 |

| 0K2rKvqdBmi0AUTebcUohQ | Red Rock Canyon Visitor Center |
1000 Scenic Loop Dr | Las Vegas | NV | 89161
| 36.1357 | -115.428 | 32 | 4.5 |
8:00-16:30 | 8:00-16:30 | 8:00-16:30 | 8:00-16:30
| 8:00-16:30 | 8:00-16:30 | 8:00-16:30 |

Education,Visitor Centers,Professional Services,Special Education,Local Services,Community Service/Non-Profit,Hotels & Travel,Travel Services,Gift

Shops,Shopping,Parks,Hiking,Flowers & Gifts,Active Life |

BusinessAcceptsCreditCards,GoodForKids

| 1 |

| 0Ni7Stqt4RFWDGj0YRi2Bw | Scent From Above Company |
2501 W Behrend Dr, Ste 67 | Scottsdale | AZ | 85027
| 33.6656 | -112.111 | 14 | 4.5 |
6:00-16:00 | 6:00-16:00 | 6:00-16:00 | 6:00-16:00
| 6:00-16:00 | None | None | Home

Cleaning,Local Services,Professional Services,Carpet Cleaning,Home Services,Office Cleaning,Window Washing

| BusinessAcceptsCreditCards,ByAppointmentOnly

| 1 |

| 0WBMEfqXQnEOAIkV-uCW6w | The Charlotte Room | 19
Charlotte Street | Toronto | ON | M5V 2H5 |

43.6466 | -79.3938 | 10 | 3.5 |
 15:00-1:00 | 15:00-1:00 | 15:00-1:00 | 15:00-1:00
 | 15:00-2:00 | 18:00-2:00 | None | Event
 Planning & Services,Bars,Nightlife,Lounges,Pool Halls,Venues &
 Event Spaces
 |
 BusinessParking,HasTV,CoatCheck,NoiseLevel,OutdoorSeating,Busi
 nessAcceptsCreditCards,RestaurantsPriceRange2,Music,Wheelchair
 Accessible,Smoking,Ambience,BestNights,RestaurantsGoodForGroup
 s,HappyHour,GoodForDancing,Alcohol
 | 0 |
 | 0Y3lHyqRHfW0BuQLS1bM0g | PC Savants |
 11966 W Candelaria Ct | Sun City | AZ | 85373
 | 33.6901 | -112.319 | 11 | 5.0 |
 10:00-19:00 | 10:00-19:00 | 10:00-19:00 | 10:00-19:00
 | 10:00-19:00 | 11:00-18:00 | 11:00-18:00 | IT Services &
 Computer Repair,Electronics Repair,Local Services,Mobile Phone
 Repair
 | BusinessAcceptsCreditCards,BusinessAcceptsBitcoin
 | 1 |
 | 0aKsGxx7XP2TMs_fn_9xVw | Sweet Ruby Jane Confections |
 8975 S Eastern Ave, Ste 3-B | Las Vegas | NV | 89123
 | 36.015 | -115.118 | 30 | 4.0 |
 10:00-19:00 | 10:00-19:00 | 10:00-19:00 | 10:00-19:00
 | 10:00-19:00 | 10:00-19:00 | None |
 Food,Chocolatiers & Shops,Bakeries,Specialty Food,Desserts
 |
 BusinessAcceptsCreditCards,RestaurantsPriceRange2,BusinessPark
 ing,WheelchairAccessible
 | 0 |
 | 0cx01Lx2Pi7u6ftWX3Wksg | Oinky's Pork Chop Heaven |
 22483 Emery Rd | North Randall | OH | 44128
 | 41.4352 | -81.5214 | 3 | 3.0 |
 6:00-23:00 | 6:00-23:00 | 6:00-23:00 | 6:00-23:00
 | 6:00-23:00 | 6:00-23:00 | 6:00-23:00 | Soul
 Food,Restaurants
 |
 RestaurantsAttire,RestaurantsGoodForGroups,GoodForKids,Restaur
 antsReservations,RestaurantsTakeOut
 | 1 |
 | 0e-j5VcEn54EZT-FKCUZdw | Sushi Osaka |


```

MAX(CASE
    WHEN H.hours LIKE "%tuesday%" THEN
TRIM(H.hours, '%MondayTuesWednesThursFriSatSun|%')
    END) AS tuesday_hours,
MAX(CASE
    WHEN H.hours LIKE "%wednesday%" THEN
TRIM(H.hours, '%MondayTuesWednesThursFriSatSun|%')
    END) AS wednesday_hours,
MAX(CASE
    WHEN H.hours LIKE "%thursday%" THEN
TRIM(H.hours, '%MondayTuesWednesThursFriSatSun|%')
    END) AS thursday_hours,
MAX(CASE
    WHEN H.hours LIKE "%friday%" THEN
TRIM(H.hours, '%MondayTuesWednesThursFriSatSun|%')
    END) AS friday_hours,
MAX(CASE
    WHEN H.hours LIKE "%saturday%" THEN
TRIM(H.hours, '%MondayTuesWednesThursFriSatSun|%')
    END) AS saturday_hours,
MAX(CASE
    WHEN H.hours LIKE "%sunday%" THEN
TRIM(H.hours, '%MondayTuesWednesThursFriSatSun|%')
    END) AS sunday_hours,
GROUP_CONCAT(DISTINCT(C.category)) AS
categories,
GROUP_CONCAT(DISTINCT(A.name)) AS
attributes,
    B.is_open
FROM business B
INNER JOIN hours H
ON B.id = H.business_id
INNER JOIN category C
ON B.id = C.business_id
INNER JOIN attribute A
ON B.id = A.business_id
GROUP BY B.id;

```