

Yelp Academic Dataset Analysis of Business Data – DDL

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Below are the DDL used for creating tables for the project analysis

yada_business

business_id: unique identification alpha numeric string for a business

is_open: is the business still in service in the form of Yes/No

address: is the address of the business in the form of building no. street name, city state zip

longitude: longitudinal position of the location of the business

latitude: latitudinal position of the location of the business

star_recieved: average star for the business

category_id: foreign key for type of business

neighborhood_id: foreign key for neighborhood information

city_id : foreign key for city

```
create table yada_business(  
  business_id varchar(60),  
  is_open varchar(5),  
  address varchar(200),  
  longitude decimal(18,12),  
  latitude decimal(18,12),  
  star_received decimal(10,2),  
  city_id integer,  
  category_id integer,  
  neighborhood_id integer,  
  name varchar(100) not null,  
  geomap varchar(100),  
  primary key(business_id),  
  foreign key (city_id) references yada_city(city_id),  
  foreign key (category_id) references yada_category(category_id),  
  foreign key (neighborhood_id) references yada_neighborhood(neighborhood_id));
```

yada_category

Category_id: the unique identifier for the business type

category: the name refers to the description of the business.

```
create table yada_category(  
category_id integer,  
category varchar(60),  
primary key(category_id));
```

yada_checkinginfo

business_id: unique identification alpha numeric string for a business

total_no_checked_in: count of the number of people checked in

day_time: storing the day and time in the form of (24*day#+hour)

Note: (day# starts from 0 till 6 representing Sunday through Saturday)

```
create table yada_checkingInfo(  
business_id varchar(50),  
total_no_checked_in integer,  
day_time integer,  
primary key(business_id,total_no_checked_in,day_time));
```

yada_city

city_id: the unique identifier for the city

name: the name of the city

state: the state in which the city belongs to

```
create table yada_city(  
city_id integer,  
name varchar(60),  
state varchar(60),  
primary key(city_id));
```

yada_neighborhood

neighborhood_id: the unique identifier of the neighborhood.

name: the name of the neighborhood

city_id: foreign key for city_id

```
create table yada_neighborhood(  
neighborhood_id integer,  
name varchar(60),  
city_id integer,  
primary key (neighborhood_id),  
foreign key(city_id) references yada_city(city_id));
```

yada_review

review_id: the unique identifier of the review.

user_id: the name of the user

business_id: foreign key for city_id

stars: stars corresponding to each of the user review.

```
create table yada_review(  
review_id varchar(60),  
user_id varchar(60),  
business_id varchar(60),  
stars integer,  
primary key(review_id)  
foreign key(user_id) references yada_user3(user_id),  
foreign key(business_id) references yada_business(business_id));
```

yada_user3

user_id: the unique alpha numeric identifier for the user

review_count: no of reviews provided

name: name of the user in the form of FirstName or LastName or both

useful_count: how many reviews were marked useful by others

```
create table yada_user(  
user_id varchar(60),  
avg_stars integer,  
name varchar(60),  
noofreview integer,  
usefulvotes integer,  
unique_id numeric(10,0),  
primary key(user_id));
```