## 5 New MongoDB Queries

- 1. Write a mongoDB query to find the number of restaurants in the Brooklyn borough that serve either Italian or French cuisine.
  - a. (Utilizes \$or)

```
[> db.restaurants.find(
[... { borough : "Brooklyn",
[... $or :
[... [
[... { cuisine : "Itaian"},
[... { cuisine : "French"}
[... ]
[... }).count()
```

- 2. Write a mongoDB query that returns the number of restaurants in either Queens, Brooklyn, or Staten Island that do not serve German cuisine.
  - a. (Utilizes \$and as well as \$in)

- 3. Write a mongoDB query that returns the name and the count of the borough that has the most "Subway" restaurants.
  - a. (Utilize a \$group on the count of a certain restaurant \$name)

```
[> db.restaurants.aggregate([
[... { $match : {name : "Subway"} },
[... { $group : {
[... _id : "$borough",
[... "Number of Subways" : {$sum:1} } },
[... { $sort : {"Number of Subways" : -1} },
[... { $limit : 1} ] )
{ "_id" : "Manhattan", "Number of Subways" : 152 }
> ■
```

- 4. Write a mongoDB query to find the names of the 3 most-eastward restaurants that serve American cuisine. (Hint: East-West Latitudes stored within "\$coord[1]")
  - a. (\$sort based on "latitude" i.e., "\$address.coord.1")

- 5. Write a mongoDB query to find the three restaurants with the highest total score, that are not in Manhattan and do not serve French cuisine. (Hint: use \$nor within the \$match)
  - a. (Utilizes a combination of many mongoDB features: .aggregate(), \$match, \$nor, \$unwind, \$group, \$sum, \$sort, \$limit)