```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find()
[
  {
    _id: ObjectId("6288a881221a3bc46cac769f"),
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'Bakery',
    grades: [
      {
        date: ISODate("2014-03-03T00:00:00.000Z"),
        grade: 'A',
        score: 2
      },
      {
        date: ISODate("2013-09-11T00:00:00.000Z"),
        grade: 'A',
        score: 6
      },
      {
        date: ISODate("2013-01-24T00:00:00.000Z"),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate("2011-11-23T00:00:00.000Z"),
        grade: 'A',
        score: 9
      },
      {
        date: ISODate("2011-03-10T00:00:00.000Z"),
        grade: 'B',
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find({},
... {"restaurant_id":1,"name":1,"borough":1,"cuisine":1}
... )
[
  {
    _id: ObjectId("6288a881221a3bc46cac769f"),
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76a0"),
    borough: 'Brooklyn',
    cuisine: 'Hamburgers',
    name: "Wendy'S",
    restaurant_id: '30112340'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76a1"),
    borough: 'Manhattan',
    cuisine: 'Irish',
    name: 'Dj Reynolds Pub And Restaurant',
    restaurant_id: '30191841'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76a2"),
    borough: 'Brooklyn',
    cuisine: 'American ',
    name: 'Riviera Caterer',
    restaurant_id: '40356018'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76a3"),
    borough: 'Queens',
    cuisine: 'Jewish/Kosher',
    name: 'Tov Kosher Kitchen',
    restaurant_id: '40356068'
  },
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find({},
... {"restaurant_id":1,"name":1,"borough":1,"cuisine":1,"_id":0}
... )
[
  {
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  },
  {
    borough: 'Brooklyn',
    cuisine: 'Hamburgers',
    name: "Wendy'S",
    restaurant_id: '30112340'
  },
  {
    borough: 'Manhattan',
    cuisine: 'Irish',
    name: 'Dj Reynolds Pub And Restaurant',
    restaurant_id: '30191841'
  },
  {
    borough: 'Brooklyn',
    cuisine: 'American ',
    name: 'Riviera Caterer',
    restaurant_id: '40356018'
  },
  {
    borough: 'Queens',
    cuisine: 'Jewish/Kosher',
    name: 'Tov Kosher Kitchen',
    restaurant_id: '40356068'
  },
  {
    borough: 'Queens',
    cuisine: 'American ',
    name: 'Brunos On The Boulevard',
    restaurant_id: '40356151'
```

```
mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test                    ─  ⧉  ✕

Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find({},
... {"restaurant_id":1,"name":1,"borough":1,"address.zipcode":1,"_id":0}
... )
[
  {
    address: { zipcode: '10462' },
    borough: 'Bronx',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  },
  {
    address: { zipcode: '11225' },
    borough: 'Brooklyn',
    name: "Wendy'S",
    restaurant_id: '30112340'
  },
  {
    address: { zipcode: '10019' },
    borough: 'Manhattan',
    name: 'Dj Reynolds Pub And Restaurant',
    restaurant_id: '30191841'
  },
  {
    address: { zipcode: '11224' },
    borough: 'Brooklyn',
    name: 'Riviera Caterer',
    restaurant_id: '40356018'
  },
  {
    address: { zipcode: '11374' },
    borough: 'Queens',
    name: 'Tov Kosher Kitchen',
    restaurant_id: '40356068'
  },
  {
    address: { zipcode: '11369' },
    borough: 'Queens',
    name: 'Brunos On The Boulevard',
    restaurant_id: '40356151'
```

```
mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test                    —  ▢  ✕

Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find({"borough":"Bronx"})
[
  {
    _id: ObjectId("6288a881221a3bc46cac769f"),
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'Bakery',
    grades: [
      {
        date: ISODate("2014-03-03T00:00:00.000Z"),
        grade: 'A',
        score: 2
      },
      {
        date: ISODate("2013-09-11T00:00:00.000Z"),
        grade: 'A',
        score: 6
      },
      {
        date: ISODate("2013-01-24T00:00:00.000Z"),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate("2011-11-23T00:00:00.000Z"),
        grade: 'A',
        score: 9
      },
      {
        date: ISODate("2011-03-10T00:00:00.000Z"),
        grade: 'B',
        score: 14
      }
    ],
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {"borough":"Bronx"}).limit(5)
[
  {
    _id: ObjectId("6288a881221a3bc46cac769f"),
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'Bakery',
    grades: [
      {
        date: ISODate("2014-03-03T00:00:00.000Z"),
        grade: 'A',
        score: 2
      },
      {
        date: ISODate("2013-09-11T00:00:00.000Z"),
        grade: 'A',
        score: 6
      },
      {
        date: ISODate("2013-01-24T00:00:00.000Z"),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate("2011-11-23T00:00:00.000Z"),
        grade: 'A',
        score: 9
      },
      {
        date: ISODate("2011-03-10T00:00:00.000Z"),
        grade: 'B',
        score: 14
      }
```

Type here to search   30°C   ENG   15:01
                                                  21-05-2022

```
mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test                    ─  ▢  ✕

Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {"borough":"Bronx"}).skip(5).limit(5);
[
  {
    _id: ObjectId("6288a881221a3bc46cac76dc"),
    address: {
      building: '658',
      coord: [ -73.81363999999999, 40.829411000000001 ],
      street: 'Clarence Ave',
      zipcode: '10465'
    },
    borough: 'Bronx',
    cuisine: 'American ',
    grades: [
      {
        date: ISODate("2014-06-21T00:00:00.000Z"),
        grade: 'A',
        score: 5
      },
      {
        date: ISODate("2012-07-11T00:00:00.000Z"),
        grade: 'A',
        score: 10
      }
    ],
    name: 'Manhem Club',
    restaurant_id: '40364363'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76f4"),
    address: {
      building: '2222',
      coord: [ -73.84971759999999, 40.8304811 ],
      street: 'Haviland Avenue',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'American ',
Atlas atlas-14p2yt-shard-0 [primary] restaurants>
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {grades:{$elemMatch:{"score":{$gt:90}}}}
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac77fd"),
    address: {
      building: '65',
      coord: [ -73.9782725, 40.7624022 ],
      street: 'West   54 Street',
      zipcode: '10019'
    },
    borough: 'Manhattan',
    cuisine: 'American ',
    grades: [
      {
        date: ISODate("2014-08-22T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2014-03-28T00:00:00.000Z"),
        grade: 'C',
        score: 131
      },
      {
        date: ISODate("2013-09-25T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2013-04-08T00:00:00.000Z"),
        grade: 'B',
        score: 25
      },
      {
        date: ISODate("2012-10-15T00:00:00.000Z"),
        grade: 'A',
        score: 11
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {grades:{$elemMatch:{"score":{$gt:80,$lt:100}}}}
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac789e"),
    address: {
      building: '345',
      coord: [ -73.9864626, 40.7266739 ],
      street: 'East 6 Street',
      zipcode: '10003'
    },
    borough: 'Manhattan',
    cuisine: 'Indian',
    grades: [
      {
        date: ISODate("2014-09-15T00:00:00.000Z"),
        grade: 'A',
        score: 5
      },
      {
        date: ISODate("2014-01-14T00:00:00.000Z"),
        grade: 'A',
        score: 8
      },
      {
        date: ISODate("2013-05-30T00:00:00.000Z"),
        grade: 'A',
        score: 12
      },
      {
        date: ISODate("2013-04-24T00:00:00.000Z"),
        grade: 'P',
        score: 2
      },
      {
        date: ISODate("2012-10-01T00:00:00.000Z"),
        grade: 'A',
        score: 9
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {"address.coord":{$lt: -95.754168}}
... );
[
  {
    _id: ObjectId("6288a883221a3bc46cac7ce7"),
    address: {
      building: '3707',
      coord: [ -101.8945214, 33.5197474 ],
      street: '82 Street',
      zipcode: '11372'
    },
    borough: 'Queens',
    cuisine: 'American ',
    grades: [
      {
        date: ISODate("2014-06-04T00:00:00.000Z"),
        grade: 'A',
        score: 12
      },
      {
        date: ISODate("2013-11-07T00:00:00.000Z"),
        grade: 'B',
        score: 19
      },
      {
        date: ISODate("2013-05-17T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2012-08-29T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2012-04-03T00:00:00.000Z"),
        grade: 'A',
        score: 12
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {$and:[{"cuisine":{$ne:"American"}},{"grades.score":{$gt:70}},{"address.coord":{$lt:-65.754168}}]}
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac77fd"),
    address: {
      building: '65',
      coord: [ -73.9782725, 40.7624022 ],
      street: 'West   54 Street',
      zipcode: '10019'
    },
    borough: 'Manhattan',
    cuisine: 'American ',
    grades: [
      {
        date: ISODate("2014-08-22T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2014-03-28T00:00:00.000Z"),
        grade: 'C',
        score: 131
      },
      {
        date: ISODate("2013-09-25T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2013-04-08T00:00:00.000Z"),
        grade: 'B',
        score: 25
      },
      {
        date: ISODate("2012-10-15T00:00:00.000Z"),
        grade: 'A',
        score: 11
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {
.....   "cuisine":{$ne:"Americian"},
.....   "grades.score":{$gt:70},
.....   "address.coord":{$lt:-65.754168}
..... }
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac77fd"),
    address: {
      building: '65',
      coord: [ -73.9782725, 40.7624022 ],
      street: 'West   54 Street',
      zipcode: '10019'
    },
    borough: 'Manhattan',
    cuisine: 'American ',
    grades: [
      {
        date: ISODate("2014-08-22T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2014-03-28T00:00:00.000Z"),
        grade: 'C',
        score: 131
      },
      {
        date: ISODate("2013-09-25T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2013-04-08T00:00:00.000Z"),
        grade: 'B',
        score: 25
      },
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {
.....   "cuisine":{$ne:"Americian"},
.....   "grades.grade":"A",
.....   "borough":{$ne:"Brookiyn"}
..... }
... ).sort({"cuisine":-1});
[
  {
    _id: ObjectId("6288a883221a3bc46cac7dab"),
    address: {
      building: '89',
      coord: [ -73.9995899, 40.7168015 ],
      street: 'Baxter Street',
      zipcode: '10013'
    },
    borough: 'Manhattan',
    cuisine: 'Vietnamese/Cambodian/Malaysia',
    grades: [
      {
        date: ISODate("2014-08-21T00:00:00.000Z"),
        grade: 'A',
        score: 13
      },
      {
        date: ISODate("2013-08-31T00:00:00.000Z"),
        grade: 'A',
        score: 13
      },
      {
        date: ISODate("2013-04-11T00:00:00.000Z"),
        grade: 'C',
        score: 3
      },
      {
        date: ISODate("2012-10-17T00:00:00.000Z"),
        grade: 'A',
        score: 4
      },
```

```
... {name: /Wil/},
... {
..... "restaurant_id": 1,
..... "name": 1,
..... "borough": 1,
..... "cuisine": 1
..... }
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac76a6"),
    borough: 'Brooklyn',
    cuisine: 'Delicatessen',
    name: "Wilken'S Fine Food",
    restaurant_id: '40356483'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76a9"),
    borough: 'Bronx',
    cuisine: 'American ',
    name: 'Wild Asia',
    restaurant_id: '40357217'
  },
  {
    _id: ObjectId("6288a886221a3bc46cac8420"),
    borough: 'Bronx',
    cuisine: 'American ',
    name: 'The Williamsbridge Tavern',
    restaurant_id: '40852754'
  },
  {
    _id: ObjectId("6288a886221a3bc46cac84ae"),
    borough: 'Bronx',
    cuisine: 'Pizza',
    name: 'Wilbel Pizza',
    restaurant_id: '40871979'
  }
]
Atlas atlas-14p2yt-shard-0 [primary] restaurants>
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants>  db.addresses.find(
... {name: /ces$/},
... {
..... "restaurant_id": 1,
..... "name": 1,
..... "borough": 1,
..... "cuisine": 1
..... }
... );
[
  {
    _id: ObjectId("6288a883221a3bc46cac7b32"),
    borough: 'Manhattan',
    cuisine: 'American ',
    name: 'Pieces',
    restaurant_id: '40399910'
  },
  {
    _id: ObjectId("6288a883221a3bc46cac7bf1"),
    borough: 'Queens',
    cuisine: 'American ',
    name: 'S.M.R Restaurant Services',
    restaurant_id: '40403857'
  },
  {
    _id: ObjectId("6288a883221a3bc46cac7bf7"),
    borough: 'Manhattan',
    cuisine: 'American ',
    name: 'Good Shepherd Services',
    restaurant_id: '40403989'
  },
  {
    _id: ObjectId("6288a884221a3bc46cac80aa"),
    borough: 'Queens',
    cuisine: 'Ice Cream, Gelato, Yogurt, Ices',
    name: "The Ice Box-Ralph'S Famous Italian Ices",
    restaurant_id: '40690899'
  },
  {
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants>  db.addresses.find(
... {name: /.*Reg.*/},
... {
..... "restaurant_id": 1,
..... "name": 1,
..... "borough": 1,
..... "cuisine": 1
..... }
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac76a7"),
    borough: 'Brooklyn',
    cuisine: 'American ',
    name: 'Regina Caterers',
    restaurant_id: '40356649'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac77a4"),
    borough: 'Manhattan',
    cuisine: 'Café/Coffee/Tea',
    name: 'Caffe Reggio',
    restaurant_id: '40369418'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac78b3"),
    borough: 'Manhattan',
    cuisine: 'American ',
    name: 'Regency Hotel',
    restaurant_id: '40382679'
  },
  {
    _id: ObjectId("6288a883221a3bc46cac7bd0"),
    borough: 'Manhattan',
    cuisine: 'American ',
    name: 'Regency Whist Club',
    restaurant_id: '40402377'
  },
  {
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {
..... "borough":"Bronx",
..... $or:[
..... {"cuisine":"American"},
..... {"cuisine":"Chinese"}
..... ]
..... }
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac76c2"),
    address: {
      building: '1236',
      coord: [ -73.8893654, 40.81376179999999 ],
      street: '238 Spofford Ave',
      zipcode: '10474'
    },
    borough: 'Bronx',
    cuisine: 'Chinese',
    grades: [
      {
        date: ISODate("2013-12-30T00:00:00.000Z"),
        grade: 'A',
        score: 8
      },
      {
        date: ISODate("2013-01-08T00:00:00.000Z"),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate("2012-06-12T00:00:00.000Z"),
        grade: 'B',
        score: 15
      }
    ],
    name: 'Happy Garden',
    restaurant_id: '40363289'
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {
..... "borough":{$in:["Staten Island","Queens","Bronx","Brooklyn"]}
..... },
... {
..... "restaurant_id":1,
..... "name":1,
..... "borough":1,
..... "cuisine":1
..... }
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac769f"),
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76a0"),
    borough: 'Brooklyn',
    cuisine: 'Hamburgers',
    name: "Wendy'S",
    restaurant_id: '30112340'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76a2"),
    borough: 'Brooklyn',
    cuisine: 'American ',
    name: 'Riviera Caterer',
    restaurant_id: '40356018'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76a3"),
    borough: 'Queens',
    cuisine: 'Jewish/Kosher',
    name: 'Tov Kosher Kitchen',
    restaurant_id: '40356068'
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {
..... "borough":{$nin:["Staten Island","Queens","Bronx","Brooklyn"]}
..... },
... {
..... "restaurant_id":1,
..... "name":1,
..... "borough":1,
..... "cuisine":1
..... }
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac76a1"),
    borough: 'Manhattan',
    cuisine: 'Irish',
    name: 'Dj Reynolds Pub And Restaurant',
    restaurant_id: '30191841'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76ac"),
    borough: 'Manhattan',
    cuisine: 'American ',
    name: '1 East 66Th Street Kitchen',
    restaurant_id: '40359480'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76b1"),
    borough: 'Manhattan',
    cuisine: 'American ',
    name: 'Glorious Food',
    restaurant_id: '40361521'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76b4"),
    borough: 'Manhattan',
    cuisine: 'Delicatessen',
    name: "Bully'S Deli",
    restaurant_id: '40361708'
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {
..... "grades.score":{$not:{$gt:10}}
..... },
... {
..... "restaurant_id":1,
..... "name":1,
..... "borough":1,
..... "cuisine":1
..... }
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac76aa"),
    borough: 'Brooklyn',
    cuisine: 'American ',
    name: 'C & C Catering Service',
    restaurant_id: '40357437'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76ac"),
    borough: 'Manhattan',
    cuisine: 'American ',
    name: '1 East 66Th Street Kitchen',
    restaurant_id: '40359480'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76b0"),
    borough: 'Brooklyn',
    cuisine: 'Delicatessen',
    name: 'Nordic Delicacies',
    restaurant_id: '40361390'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76b9"),
    borough: 'Brooklyn',
    cuisine: 'Hamburgers',
    name: 'White Castle',
    restaurant_id: '40362344'
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {$or:[
.... {name: /^Wil/},
.... {"$and":[
....... {"cuisine":{$ne:"American"}},
....... {"cuisine":{$ne:"Chinees"}}
....... ]}
..... ]},
... {"restaurant_id":1,"name":1,"borough":1,"cuisine":1}
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac769f"),
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76a0"),
    borough: 'Brooklyn',
    cuisine: 'Hamburgers',
    name: "Wendy'S",
    restaurant_id: '30112340'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76a1"),
    borough: 'Manhattan',
    cuisine: 'Irish',
    name: 'Dj Reynolds Pub And Restaurant',
    restaurant_id: '30191841'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac76a2"),
    borough: 'Brooklyn',
    cuisine: 'American ',
    name: 'Riviera Caterer',
    restaurant_id: '40356018'
  },
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {
..... "grades.date":ISODate("2014-08-11T00:00:00Z"),
..... "grades.grade":"A",
..... "grades.score":11
..... },
... {
..... "restaurant_id":1,"name":1,"grades":1
..... }
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac771d"),
    grades: [
      {
        date: ISODate("2014-08-11T00:00:00.000Z"),
        grade: 'A',
        score: 13
      },
      {
        date: ISODate("2013-07-22T00:00:00.000Z"),
        grade: 'A',
        score: 9
      },
      {
        date: ISODate("2013-03-14T00:00:00.000Z"),
        grade: 'A',
        score: 12
      },
      {
        date: ISODate("2012-07-02T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2012-02-02T00:00:00.000Z"),
        grade: 'A',
        score: 10
      },
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {
..... "grades.1.date":ISODate("2014-08-11T00:00:00Z"),
..... "grades.1.grade":"A",
..... "grades.1.score":9
..... },
... {
..... "restaurant_id":1,"name":1,"grades":1
..... }
... );
[
  {
    _id: ObjectId("6288a883221a3bc46cac7cca"),
    grades: [
      {
        date: ISODate("2015-01-12T00:00:00.000Z"),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate("2014-08-11T00:00:00.000Z"),
        grade: 'A',
        score: 9
      },
      {
        date: ISODate("2014-01-14T00:00:00.000Z"),
        grade: 'A',
        score: 13
      },
      {
        date: ISODate("2013-02-07T00:00:00.000Z"),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate("2012-04-30T00:00:00.000Z"),
        grade: 'A',
        score: 11
      }
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {
..... "address.coord.1":{$gt:42,$lte:52}
..... },
... {
..... "restaurant_id":1,"name":1,"address":1,"cooord":1
..... }
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac7941"),
    address: {
      building: '47',
      coord: [ -78.877224, 42.89546199999999 ],
      street: 'Broadway @ Trinity Pl',
      zipcode: '10006'
    },
    name: "T.G.I. Friday'S",
    restaurant_id: '40387990'
  },
  {
    _id: ObjectId("6288a881221a3bc46cac796d"),
    address: {
      building: '1',
      coord: [ -0.7119979, 51.6514664 ],
      street: 'Pennplaza E, Penn Sta',
      zipcode: '10001'
    },
    name: 'T.G.I. Fridays',
    restaurant_id: '40388936'
  },
  {
    _id: ObjectId("6288a883221a3bc46cac7bc6"),
    address: {
      building: '3000',
      coord: [ -87.86567699999999, 42.61150920000001 ],
      street: '47 Avenue',
      zipcode: '11101'
    },
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find().sort(
... {"name":1});
[
  {
    _id: ObjectId("6288a886221a3bc46cac832f"),
    address: {
      building: '129',
      coord: [ -73.962943, 40.685007 ],
      street: 'Gates Avenue',
      zipcode: '11238'
    },
    borough: 'Brooklyn',
    cuisine: 'Italian',
    grades: [
      {
        date: ISODate("2014-03-06T00:00:00.000Z"),
        grade: 'A',
        score: 5
      },
      {
        date: ISODate("2013-08-29T00:00:00.000Z"),
        grade: 'A',
        score: 2
      },
      {
        date: ISODate("2013-03-08T00:00:00.000Z"),
        grade: 'A',
        score: 7
      },
      {
        date: ISODate("2012-06-27T00:00:00.000Z"),
        grade: 'A',
        score: 7
      },
      {
        date: ISODate("2011-11-17T00:00:00.000Z"),
        grade: 'A',
        score: 12
      }
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find().sort(
... {"name":-1}
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac775e"),
    address: {
      building: '6946',
      coord: [ -73.8811834, 40.7017759 ],
      street: 'Myrtle Avenue',
      zipcode: '11385'
    },
    borough: 'Queens',
    cuisine: 'German',
    grades: [
      {
        date: ISODate("2014-09-24T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2014-04-17T00:00:00.000Z"),
        grade: 'A',
        score: 7
      },
      {
        date: ISODate("2013-03-12T00:00:00.000Z"),
        grade: 'A',
        score: 13
      },
      {
        date: ISODate("2012-10-02T00:00:00.000Z"),
        grade: 'A',
        score: 9
      },
      {
        date: ISODate("2012-05-09T00:00:00.000Z"),
        grade: 'A',
        score: 13
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find().sort(
... {
..... "cuisine":1,
..... "borough":-1
..... }
... );
[
  {
    _id: ObjectId("6288a883221a3bc46cac7d8a"),
    address: {
      building: '1345',
      coord: [ -73.959249, 40.768076 ],
      street: '2 Avenue',
      zipcode: '10021'
    },
    borough: 'Manhattan',
    cuisine: 'Afghan',
    grades: [
      {
        date: ISODate("2014-10-07T00:00:00.000Z"),
        grade: 'A',
        score: 9
      },
      {
        date: ISODate("2013-10-23T00:00:00.000Z"),
        grade: 'A',
        score: 8
      },
      {
        date: ISODate("2012-10-26T00:00:00.000Z"),
        grade: 'A',
        score: 13
      },
      {
        date: ISODate("2012-04-26T00:00:00.000Z"),
        grade: 'A',
        score: 7
      },
      {
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {
..... "address.street":{$exists:true}
..... }
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac769f"),
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'Bakery',
    grades: [
      {
        date: ISODate("2014-03-03T00:00:00.000Z"),
        grade: 'A',
        score: 2
      },
      {
        date: ISODate("2013-09-11T00:00:00.000Z"),
        grade: 'A',
        score: 6
      },
      {
        date: ISODate("2013-01-24T00:00:00.000Z"),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate("2011-11-23T00:00:00.000Z"),
        grade: 'A',
        score: 9
      },
      {
        date: ISODate("2011-03-10T00:00:00.000Z"),
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {
..... "address.coord":{$type:1}
..... }
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac769f"),
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'Bakery',
    grades: [
      {
        date: ISODate("2014-03-03T00:00:00.000Z"),
        grade: 'A',
        score: 2
      },
      {
        date: ISODate("2013-09-11T00:00:00.000Z"),
        grade: 'A',
        score: 6
      },
      {
        date: ISODate("2013-01-24T00:00:00.000Z"),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate("2011-11-23T00:00:00.000Z"),
        grade: 'A',
        score: 9
      },
      {
        date: ISODate("2011-03-10T00:00:00.000Z"),
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {
..... "grades.score":{$mod:[7,0]}
..... },
... {
..... "restaurant_id":1,"name":1,"grades":1
..... }
... );
[
  {
    _id: ObjectId("6288a881221a3bc46cac769f"),
    grades: [
      {
        date: ISODate("2014-03-03T00:00:00.000Z"),
        grade: 'A',
        score: 2
      },
      {
        date: ISODate("2013-09-11T00:00:00.000Z"),
        grade: 'A',
        score: 6
      },
      {
        date: ISODate("2013-01-24T00:00:00.000Z"),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate("2011-11-23T00:00:00.000Z"),
        grade: 'A',
        score: 9
      },
      {
        date: ISODate("2011-03-10T00:00:00.000Z"),
        grade: 'B',
        score: 14
      }
    ],
    name: 'Morris Park Bake Shop',
```

```
Atlas atlas-14p2yt-shard-0 [primary] restaurants> db.addresses.find(
... {
..... name:{$regex: /^Mad/i,}
..... },
... {
..... "name":1,
..... "borough":1,
..... "address.coord":1,
..... "cuisine":1
..... }
... );
[
  {
    _id: ObjectId("6288a883221a3bc46cac7bdb"),
    address: { coord: [ -73.9860597, 40.7431194 ] },
    borough: 'Manhattan',
    cuisine: 'American ',
    name: 'Madison Square'
  },
  {
    _id: ObjectId("6288a883221a3bc46cac7ca9"),
    address: { coord: [ -73.98302199999999, 40.742313 ] },
    borough: 'Manhattan',
    cuisine: 'Indian',
    name: 'Madras Mahal'
  },
  {
    _id: ObjectId("6288a884221a3bc46cac7f57"),
    address: { coord: [ -74.000002, 40.72735 ] },
    borough: 'Manhattan',
    cuisine: 'American ',
    name: 'Madame X'
  },
  {
    _id: ObjectId("6288a884221a3bc46cac8007"),
    address: { coord: [ -73.98171959999999, 40.7499406 ] },
    borough: 'Manhattan',
    cuisine: 'French',
    name: 'Madison Bistro'
```