**ATLANTA POPULATION**

1) dp.zipcode.find({$and: [{city: “Atlanta”}, {state:”GA” }]})

2) db.zipcode.aggregate({$match:{ $and: [{city: “Atlanta”}, {state:”GA” }})

3) db.zipcodes.aggregate( [

{ $group: { \_id: { state: "$state", city: "$city", zipcode: "\_id"}, zip: { $sum: 1 } } },

{ $group: { \_id: "$\_id.city", zcount: {$sum: "$zip"}} },

{$sort: {zcount: -1} }

] )

4) db.zipcodes.aggregate( [

{ $group: { \_id: "$state", totalPop: { $sum: "$pop" } } }

] )

**POPULATIONS BY STATE**

1) db.zipcodes.aggregate( [

{ $group: { \_id: { state: "$state", city: "$city" }, pop: { $sum: "$pop" } } },

{ $group: { \_id: "$\_id.state", avgCityPop: { $avg: "$pop" } } }

] )

2) db.zipcodes.aggregate(

[

{ $sort : { pop : 1 } }

]

)

3) db.restaurants.aggregate(

[

{ $sort : { borough : 1 } },

{$limit : 3}

]

)