ATLANTA POPULATION

1. db.zipcodes.find({city:'ATLANTA'},{state:'GA'})
2. db.zipcodes.aggregate([{$match:{city:'ATLANTA',state:'GA'}}])
3. db.zipcodes.aggregate([{$group:{\_id:'$state'}},{$count:'Number\_of\_states'}])
4. db.zipcodes.aggregate([{$match:{city:'ATLANTA'}},{$group:{\_id:'$city',totalpop:{$sum:'$pop'}}}])

POPULATION BY STATE

1. db.zipcodes.aggregate([{$group:{\_id:{state:'$state'},totalpop:{$sum:"$pop"}}}]
2. db.zipcodes.aggregate({$sort: {pop : -1}})
3. db.zipcodes.find().sort({pop : -1}).limit(3)

POPULATIONS BY CITY

1. db.zipcodes.aggregate([{$group:{\_id:{city:'$city',state:'$state'},totalpop:{$sum:'$pop'}}}])
2. db.zipcodes.aggregate([{$group:{\_id:{city:'$city',state:'$state'},totalpop:{$sum:'$pop'}}},{$sort:{totalpop:-1}}])
3. db.zipcodes.aggregate([{$group:{\_id:{city:'$city',state:'$state'},totalpop:{$sum:'$pop'}}},{$sort:{totalpop:-1}},{$limit:3} ])
4. db.zipcodes.aggregate([{$match:{state:'TX'}},{$group:{\_id:'$city',population:{$sum:'$pop'}}},{$sort:{population:-1}},{$limit:3}])

BONUS

1. db.zipcodes.aggregate([{$group:{\_id:{city:'$city'},average\_pop:{$avg:'$pop'}}}])
2. db.zipcodes.aggregate([{$group:{\_id:{city:'$city'},average\_pop:{$avg:'$pop'}}},{$sort:{average\_pop:-1}},{$limit:3}])