

Atlanta Population

- 1) `db.zipcodes.find({$and:[{state:"GA"},{city:"ATLANTA"}]}))`
- 2) `db.zipcodes.aggregate({$match:{$and:[{state:"GA"},{city:"ATLANTA"}]}))`
- 3) `db.zipcodes.aggregate([{$group: {_id:"$city",count:{$sum:1}}},{ $match: {_id:"ATLANTA"} }])`
- 4) `db.zipcodes.aggregate([{$group: {_id:"$city",count:{$sum:"$pop"} }},{ $match: {_id:"ATLANTA"} }])`

Populations by state

- 1) `db.zipcodes.aggregate([{$group: {_id:"$city",count:{$sum:"$pop"} }]])`
- 2) `db.zipcodes.aggregate([{$group: {_id:"$city",count:{$sum:"$pop"} }},{ $sort: { count:-1 } }])`
- 3) `db.zipcodes.aggregate([{$group: {_id:"$city",count:{$sum:"$pop"} }},{ $sort: { count:-1 }},{ $limit:3 }])`
Chicago
Brooklyn
Houston

Populations by city

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

Bonus

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