Atlanta Population

> use population

switched to db population

> show collections

zipcodes

> db.zipcodes. find({city: 'ATLANTA',state:'GA'})

{ "_id" : "30303", "city" : "ATLANTA", "loc" : [-84.388846, 33.752504], "pop" : 1845, "state" : "GA" }

{ "_id" : "30305", "city" : "ATLANTA", "loc" : [-84.385145, 33.831963], "pop" : 19122, "state" : "GA" }

{ "_id" : "30306", "city" : "ATLANTA", "loc" : [-84.351418, 33.786027], "pop" : 20081, "state" : "GA" }

{ "_id" : "30307", "city" : "ATLANTA", "loc" : [-84.335957, 33.769138], "pop" : 16330, "state" : "GA" }

{ "_id" : "30308", "city" : "ATLANTA", "loc" : [-84.375744, 33.771839], "pop" : 8549, "state" : "GA" }

{ "_id" : "30309", "city" : "ATLANTA", "loc" : [-84.388338, 33.798407], "pop" : 14766, "state" : "GA" }

{ "_id" : "30310", "city" : "ATLANTA", "loc" : [-84.423173, 33.727849], "pop" : 34017, "state" : "GA" }

{ "_id" : "30311", "city" : "ATLANTA", "loc" : [-84.470219, 33.722957], "pop" : 34880, "state" : "GA" }

{ "_id" : "30312", "city" : "ATLANTA", "loc" : [-84.378125, 33.746749], "pop" : 17683, "state" : "GA" }

{ "_id" : "30313", "city" : "ATLANTA", "loc" : [-84.39352, 33.76825], "pop" : 8038, "state" : "GA" }

{ "_id" : "30314", "city" : "ATLANTA", "loc" : [-84.425546, 33.756103], "pop" : 26649, "state" : "GA" }

{ "_id" : "30315", "city" : "ATLANTA", "loc" : [-84.380771, 33.705062], "pop" : 41061, "state" : "GA" }

{ "_id" : "30316", "city" : "ATLANTA", "loc" : [-84.333913, 33.721686], "pop" : 34668, "state" : "GA" }

{ "_id" : "30317", "city" : "ATLANTA", "loc" : [-84.31685, 33.749788], "pop" : 16395, "state" : "GA" }

{ "_id" : "30318", "city" : "ATLANTA", "loc" : [-84.445432, 33.786454], "pop" : 53894, "state" : "GA" }

{ "_id" : "30319", "city" : "ATLANTA", "loc" : [-84.335091, 33.868728], "pop" : 32138, "state" : "GA" }

{ "_id" : "30324", "city" : "ATLANTA", "loc" : [-84.354867, 33.820609], "pop" : 15044, "state" : "GA" }

{ "_id" : "30326", "city" : "ATLANTA", "loc" : [-84.358232, 33.848168], "pop" : 125, "state" : "GA" }

{ "_id" : "30327", "city" : "ATLANTA", "loc" : [-84.419966, 33.862723], "pop" : 18467, "state" : "GA" }

{ "_id" : "30329", "city" : "ATLANTA", "loc" : [-84.321402, 33.823555], "pop" : 17013, "state" : "GA" }

Type "it" for more

> db.zipcodes.aggregate([{ $match : { city : 'ATLANTA',state: 'GA' } }])

{ "_id" : "30303", "city" : "ATLANTA", "loc" : [-84.388846, 33.752504], "pop" : 1845, "state" : "GA" }

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{ "_id" : "30305", "city" : "ATLANTA", "loc" : [ -84.385145, 33.831963 ], "pop" : 19122, "state" : "GA" }

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{ "_id" : "30324", "city" : "ATLANTA", "loc" : [ -84.354867, 33.820609 ], "pop" : 15044, "state" : "GA" }

{ "_id" : "30326", "city" : "ATLANTA", "loc" : [ -84.358232, 33.848168 ], "pop" : 125, "state" : "GA" }

{ "_id" : "30327", "city" : "ATLANTA", "loc" : [ -84.419966, 33.862723 ], "pop" : 18467, "state" : "GA" }

{ "_id" : "30329", "city" : "ATLANTA", "loc" : [ -84.321402, 33.823555 ], "pop" : 17013, "state" : "GA" }

Type "it" for more


> db.zipcodes.aggregate( [ { $match : {city:"ATLANTA"}} , { $group : {_id: "$city"}} ])

{ "_id" : "ATLANTA" }

> db.zipcodes.aggregate( [ { $match : {city:"ATLANTA"}} , { $group : {_id: {city: "$city" , state:
"$state"}}} ])

{ "_id" : { "city" : "ATLANTA", "state" : "IL" } }

{ "_id" : { "city" : "ATLANTA", "state" : "TX" } }

{ "_id" : { "city" : "ATLANTA", "state" : "IN" } }

{ "_id" : { "city" : "ATLANTA", "state" : "LA" } }

{ "_id" : { "city" : "ATLANTA", "state" : "MO" } }

{ "_id" : { "city" : "ATLANTA", "state" : "NE" } }
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{ "_id" : { "city" : "ATLANTA", "state" : "NY" } }

{ "_id" : { "city" : "ATLANTA", "state" : "GA" } }

{ "_id" : { "city" : "ATLANTA", "state" : "ID" } }

{ "_id" : { "city" : "ATLANTA", "state" : "KS" } }

{ "_id" : { "city" : "ATLANTA", "state" : "MI" } }

> db.zipcodes.aggregate([{ $match : {city:"ATLANTA"}} , { $group : {_id: {city: "$city" , state: "$state"}}} , {$count:"city"}])

{ "city" : 11 }

> db.zipcodes.aggregate([{ $match : {city:"ATLANTA"}} , { $group : {_id:"$city" , Count :{$sum: "$pop"}}}])

{ "_id" : "ATLANTA", "Count" : 630046 }

Populations By State

> db.zipcodes.aggregate([{$match: {}}, {$group: {_id : "$state", population: {$sum : "$pop"}}}])

{ "_id" : "UT", "population" : 1722850 }

{ "_id" : "WV", "population" : 1793146 }

{ "_id" : "MS", "population" : 2573216 }

{ "_id" : "TX", "population" : 16984601 }

{ "_id" : "MA", "population" : 6016425 }

{ "_id" : "TN", "population" : 4876457 }

{ "_id" : "DE", "population" : 666168 }

{ "_id" : "ID", "population" : 1006749 }

{ "_id" : "SC", "population" : 3486703 }

{ "_id" : "OH", "population" : 10846517 }

{ "_id" : "IA", "population" : 2776420 }

{ "_id" : "MI", "population" : 9295297 }

{ "_id" : "PA", "population" : 11881643 }

{ "_id" : "IL", "population" : 11427576 }

{ "_id" : "RI", "population" : 1003218 }

{ "_id" : "FL", "population" : 12686644 }

{ "_id" : "LA", "population" : 4217595 }

{ "_id" : "AR", "population" : 2350725 }

{ "_id" : "NC", "population" : 6628637 }

{ "_id" : "GA", "population" : 6478216 }

Type "it" for more

> db.zipcodes.aggregate([{$match: {}}, {$group: {_id : "$state", population: {$sum : "$pop"}}}, {$sort : {population : -1}}])

{ "_id" : "CA", "population" : 29754890 }

{ "_id" : "NY", "population" : 17990402 }

{ "_id" : "TX", "population" : 16984601 }

{ "_id" : "FL", "population" : 12686644 }

{ "_id" : "PA", "population" : 11881643 }

{ "_id" : "IL", "population" : 11427576 }

{ "_id" : "OH", "population" : 10846517 }

{ "_id" : "MI", "population" : 9295297 }

{ "_id" : "NJ", "population" : 7730188 }

{ "_id" : "NC", "population" : 6628637 }

{ "_id" : "GA", "population" : 6478216 }

{ "_id" : "VA", "population" : 6181479 }

{ "_id" : "MA", "population" : 6016425 }

{ "_id" : "IN", "population" : 5544136 }

{ "_id" : "MO", "population" : 5110648 }

{ "_id" : "WI", "population" : 4891769 }

{ "_id" : "TN", "population" : 4876457 }

{ "_id" : "WA", "population" : 4866692 }

{ "_id" : "MD", "population" : 4781379 }

{ "_id" : "MN", "population" : 4372982 }

Type "it" for more

> db.zipcodes.aggregate([{$match: {}}, {$group: {_id : "$state", population: {$sum : "$pop"}}}, {$sort : {population : -1}}, {$limit: 3}])

{ "_id" : "CA", "population" : 29754890 }

{ "_id" : "NY", "population" : 17990402 }

{ "_id" : "TX", "population" : 16984601 }

Populations by City

> db.zipcodes.aggregate([{$group : {_id: [{ City : "$city", State : "$state"}], Total_pop: {$sum : "$pop"}}}])

{ "_id" : [{ "City" : "BROOKESMITH", "State" : "TX" }], "Total_pop" : 240 }

{ "_id" : [{ "City" : "HENDERSON", "State" : "CO" }], "Total_pop" : 1388 }

{ "_id" : [{ "City" : "GUYMON", "State" : "OK" }], "Total_pop" : 9387 }

{ "_id" : [{ "City" : "NORTH LAWRENCE", "State" : "OH" }], "Total_pop" : 2528 }

{ "_id" : [{ "City" : "ANGORA", "State" : "MN" }], "Total_pop" : 291 }

{ "_id" : [{ "City" : "PRESCOTT", "State" : "IA" }], "Total_pop" : 205 }

{ "_id" : [{ "City" : "MELVIN", "State" : "IL" }], "Total_pop" : 654 }

{ "_id" : [{ "City" : "GERING", "State" : "NE" }], "Total_pop" : 11631 }

{ "_id" : [{ "City" : "WILLIAMSTOWN", "State" : "MO" }], "Total_pop" : 343 }

{ "_id" : [{ "City" : "AGNEW", "State" : "NE" }], "Total_pop" : 1218 }

{ "_id" : [{ "City" : "NORWOOD", "State" : "LA" }], "Total_pop" : 1833 }

{ "_id" : [{ "City" : "CARSWELL AFB", "State" : "TX" }], "Total_pop" : 940 }

{ "_id" : [{ "City" : "SAINT BERNARD", "State" : "OH" }], "Total_pop" : 8838 }

{ "_id" : [{ "City" : "SEGNO", "State" : "TX" }], "Total_pop" : 24261 }

{ "_id" : [{ "City" : "PARIS", "State" : "TN" }], "Total_pop" : 16597 }

{ "_id" : [{ "City" : "SOUTH ELGIN", "State" : "IL" }], "Total_pop" : 9117 }

{ "_id" : [{ "City" : "SAND SPRINGS", "State" : "OK" }], "Total_pop" : 25745 }

{ "_id" : [{ "City" : "MANCHESTER", "State" : "MN" }], "Total_pop" : 552 }

{ "_id" : [{ "City" : "ROUGEMONT", "State" : "NC" }], "Total_pop" : 4253 }

{ "_id" : [{ "City" : "ALBANY", "State" : "OH" }], "Total_pop" : 4090 }

Type "it" for more

> db.zipcodes.aggregate([{$sort : {population : -1}},{$group : {_id: [{ City : "$city", State : "$state"}], Total_pop: {$sum : "$pop"}}}])

{ "_id" : [{ "City" : "MERETA", "State" : "TX" }], "Total_pop" : 768 }

{ "_id" : [{ "City" : "GALLIPOLIS", "State" : "OH" }], "Total_pop" : 18163 }

{ "_id" : [{ "City" : "BRECKENRIDGE", "State" : "TX" }], "Total_pop" : 8803 }

{ "_id" : [{ "City" : "CENTRAL CITY", "State" : "IA" }], "Total_pop" : 3478 }

{ "_id" : [{ "City" : "ECKELSON", "State" : "ND" }], "Total_pop" : 138 }

{ "_id" : [{ "City" : "NEW BRUNSWICK", "State" : "NJ" }], "Total_pop" : 41710 }

{ "_id" : [{ "City" : "FRIENDLY", "State" : "WV" }], "Total_pop" : 1073 }

{ "_id" : [{ "City" : "HARWOOD", "State" : "MD" }], "Total_pop" : 3765 }

{ "_id" : [{ "City" : "STEDMAN", "State" : "NC" }], "Total_pop" : 4776 }

{ "_id" : [{ "City" : "HERMON", "State" : "NY" }], "Total_pop" : 1636 }

{ "_id" : [{ "City" : "TECUMSEH", "State" : "MI" }], "Total_pop" : 12645 }

{ "_id" : [{ "City" : "LONG PINE", "State" : "NE" }], "Total_pop" : 706 }

{ "_id" : [{ "City" : "ROGERS", "State" : "AR" }], "Total_pop" : 34081 }

{ "_id" : [{ "City" : "MONTEVIEW", "State" : "ID" }], "Total_pop" : 441 }

{ "_id" : [{ "City" : "LANCASTER", "State" : "MO" }], "Total_pop" : 1060 }

{ "_id" : [{ "City" : "THOMAS", "State" : "OK" }], "Total_pop" : 1774 }

{ "_id" : [{ "City" : "HONEY GROVE", "State" : "TX" }], "Total_pop" : 2563 }

{ "_id" : [{ "City" : "SWANTON", "State" : "OH" }], "Total_pop" : 10729 }

{ "_id" : [{ "City" : "DEXTER", "State" : "MO" }], "Total_pop" : 11641 }

{ "_id" : [{ "City" : "BELPRE", "State" : "KS" }], "Total_pop" : 268 }

Type "it" for more

> db.zipcodes.aggregate([{$sort : {population : -1}},{$group : {_id: [{ City : "$city", State : "$state"}], Total_pop: {$sum : "$pop"}}},{$limit : 3}])

{ "_id" : [{ "City" : "SHADOW HILLS", "State" : "CA" }], "Total_pop" : 18303 }

{ "_id" : [{ "City" : "MANHATTAN", "State" : "KS" }], "Total_pop" : 50178 }

{ "_id" : [{ "City" : "GEYSERVILLE", "State" : "CA" }], "Total_pop" : 2716 }

> db.zipcodes.aggregate([{$match : {state : "TX"}},{$sort : {population : -1}},{$group : {_id: [{ City : "$city", State : "$state"}], Total_pop: {$sum : "$pop"}}},{$limit : 3}])

{ "_id" : [{ "City" : "BEEVILLE", "State" : "TX" }], "Total_pop" : 23211 }

{ "_id" : [{ "City" : "HARLINGEN", "State" : "TX" }], "Total_pop" : 64964 }

{ "_id" : [{ "City" : "DUMONT", "State" : "TX" }], "Total_pop" : 344 }