

ATLANTA POPULATION

MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> db.zipcodes.find({$and: [{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

MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> it

{ "\_id" : "30330", "city" : "ATLANTA", "loc" : [ -84.434735, 33.70645 ], "pop" : 643, "state" : "GA" }

{ "\_id" : "30331", "city" : "ATLANTA", "loc" : [ -84.520468, 33.72241 ], "pop" : 38185, "state" : "GA" }

{ "\_id" : "30334", "city" : "ATLANTA", "loc" : [ -84.388188, 33.74715 ], "pop" : 0, "state" : "GA" }

{ "\_id" : "30336", "city" : "ATLANTA", "loc" : [ -84.510028, 33.78534 ], "pop" : 1228, "state" : "GA" }

{ "\_id" : "30339", "city" : "ATLANTA", "loc" : [ -84.462879, 33.87125 ], "pop" : 11158, "state" : "GA" }

{ "\_id" : "30342", "city" : "ATLANTA", "loc" : [ -84.376091, 33.884245 ], "pop" : 19057, "state" : "GA" }

{ "\_id" : "30345", "city" : "ATLANTA", "loc" : [ -84.286961, 33.851347 ], "pop" : 19825, "state" : "GA" }

{ "\_id" : "30346", "city" : "ATLANTA", "loc" : [ -84.333354, 33.926717 ], "pop" : 18, "state" : "GA" }

{ "\_id" : "30349", "city" : "ATLANTA", "loc" : [ -84.481258, 33.605331 ], "pop" : 48116, "state" : "GA" }

{ "\_id" : "30350", "city" : "ATLANTA", "loc" : [ -84.341146, 33.979471 ], "pop" : 24573, "state" : "GA" }

{ "\_id" : "30360", "city" : "ATLANTA", "loc" : [ -84.271645, 33.937772 ], "pop" : 16023, "state" : "GA" }

MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> db.zipcodes.aggregate([{$match: {city:"ATLANTA"}},{$match: {state:"GA"}}])

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

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MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> db.zipcodes.aggregate([{$match: {city:"ATLANTA"}},{$group:{\_id:'$\_id'}},{$count:'zipcodes'}])

{ "zipcodes" : 41 }

MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> db.zipcodes.aggregate([{$match: {city:"ATLANTA"}},{$group:{\_id:'$city',population:{$sum:"$pop"}}}])

{ "\_id" : "ATLANTA", "population" : 630046 }

**POPULATION BY STATE**

MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> db.zipcodes.aggregate({$group:{\_id:"$state",population:{$sum:"$pop"}}})

{ "\_id" : "KY", "population" : 3675484 }

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

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

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

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

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

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

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

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

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

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

{ "\_id" : "VT", "population" : 562758 }

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

{ "\_id" : "OR", "population" : 2842321 }

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

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

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

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

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

{ "\_id" : "NH", "population" : 1109252 }

Type "it" for more

MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> it

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

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

{ "\_id" : "ND", "population" : 638272 }

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

{ "\_id" : "NE", "population" : 1578139 }

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

{ "\_id" : "CT", "population" : 3287116 }

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

{ "\_id" : "MT", "population" : 798948 }

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

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

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

{ "\_id" : "KS", "population" : 2475285 }

{ "\_id" : "ME", "population" : 1226648 }

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

{ "\_id" : "WY", "population" : 453528 }

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

{ "\_id" : "AL", "population" : 4040587 }

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

{ "\_id" : "CO", "population" : 3293755 }

Type "it" for more

MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> it

{ "\_id" : "NM", "population" : 1515069 }

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

{ "\_id" : "HI", "population" : 1108229 }

{ "\_id" : "AZ", "population" : 3665228 }

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

{ "\_id" : "AK", "population" : 544698 }

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

{ "\_id" : "OK", "population" : 3145585 }

{ "\_id" : "DC", "population" : 606900 }

{ "\_id" : "SD", "population" : 695397 }

{ "\_id" : "NV", "population" : 1201833 }

MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:"$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

MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:"$state",population:{$sum:"$pop"}}},{$sort:{population:-1}},{$limit:3}])

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

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

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

**POPULATION BY CITY**

MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:{city:"$city",state:"$state"},population:{$sum:"$pop"}}}])

{ "\_id" : { "city" : "SAWYER", "state" : "KS" }, "population" : 569 }

{ "\_id" : { "city" : "BLUE MOUND", "state" : "KS" }, "population" : 484 }

{ "\_id" : { "city" : "BEEVILLE", "state" : "TX" }, "population" : 23211 }

{ "\_id" : { "city" : "SANDY SPRINGS", "state" : "GA" }, "population" : 24238 }

{ "\_id" : { "city" : "DAYTON", "state" : "NY" }, "population" : 246 }

{ "\_id" : { "city" : "COLLBRAN", "state" : "CO" }, "population" : 1043 }

{ "\_id" : { "city" : "BASIN", "state" : "WY" }, "population" : 1580 }

{ "\_id" : { "city" : "ELDORADO", "state" : "WI" }, "population" : 765 }

{ "\_id" : { "city" : "GARVIN", "state" : "MN" }, "population" : 471 }

{ "\_id" : { "city" : "MANSFIELD CENTER", "state" : "CT" }, "population" : 4306 }

{ "\_id" : { "city" : "ANETA", "state" : "ND" }, "population" : 426 }

{ "\_id" : { "city" : "GONZALES", "state" : "TX" }, "population" : 11297 }

{ "\_id" : { "city" : "GREEN RIVER", "state" : "WY" }, "population" : 13956 }

{ "\_id" : { "city" : "TERRETON", "state" : "ID" }, "population" : 1537 }

{ "\_id" : { "city" : "SURRENCY", "state" : "GA" }, "population" : 1643 }

{ "\_id" : { "city" : "MENLO", "state" : "KS" }, "population" : 246 }

{ "\_id" : { "city" : "CLARKSTON", "state" : "UT" }, "population" : 665 }

{ "\_id" : { "city" : "SPRINGFIELD", "state" : "ME" }, "population" : 985 }

{ "\_id" : { "city" : "NEW PORT RICHEY", "state" : "FL" }, "population" : 76750 }

{ "\_id" : { "city" : "MOHEGAN LAKE", "state" : "NY" }, "population" : 5753 }

Type "it" for more

MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:{city:"$city",state:"$state"},population:{$sum:"$pop"}}},{$sort:{population:-1}}])

{ "\_id" : { "city" : "CHICAGO", "state" : "IL" }, "population" : 2452177 }

{ "\_id" : { "city" : "BROOKLYN", "state" : "NY" }, "population" : 2300504 }

{ "\_id" : { "city" : "LOS ANGELES", "state" : "CA" }, "population" : 2102295 }

{ "\_id" : { "city" : "HOUSTON", "state" : "TX" }, "population" : 2095918 }

{ "\_id" : { "city" : "PHILADELPHIA", "state" : "PA" }, "population" : 1610956 }

{ "\_id" : { "city" : "NEW YORK", "state" : "NY" }, "population" : 1476790 }

{ "\_id" : { "city" : "BRONX", "state" : "NY" }, "population" : 1209548 }

{ "\_id" : { "city" : "SAN DIEGO", "state" : "CA" }, "population" : 1049298 }

{ "\_id" : { "city" : "DETROIT", "state" : "MI" }, "population" : 963243 }

{ "\_id" : { "city" : "DALLAS", "state" : "TX" }, "population" : 940191 }

{ "\_id" : { "city" : "PHOENIX", "state" : "AZ" }, "population" : 890853 }

{ "\_id" : { "city" : "MIAMI", "state" : "FL" }, "population" : 825232 }

{ "\_id" : { "city" : "SAN JOSE", "state" : "CA" }, "population" : 816653 }

{ "\_id" : { "city" : "SAN ANTONIO", "state" : "TX" }, "population" : 811792 }

{ "\_id" : { "city" : "BALTIMORE", "state" : "MD" }, "population" : 733081 }

{ "\_id" : { "city" : "SAN FRANCISCO", "state" : "CA" }, "population" : 723993 }

{ "\_id" : { "city" : "MEMPHIS", "state" : "TN" }, "population" : 632837 }

{ "\_id" : { "city" : "SACRAMENTO", "state" : "CA" }, "population" : 628279 }

{ "\_id" : { "city" : "JACKSONVILLE", "state" : "FL" }, "population" : 610160 }

{ "\_id" : { "city" : "ATLANTA", "state" : "GA" }, "population" : 609591 }

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MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:{city:"$city",state:"$state"},population:{$sum:"$pop"}}},{$sort:{population:-1}},{$limit:3}])

{ "\_id" : { "city" : "CHICAGO", "state" : "IL" }, "population" : 2452177 }

{ "\_id" : { "city" : "BROOKLYN", "state" : "NY" }, "population" : 2300504 }

{ "\_id" : { "city" : "LOS ANGELES", "state" : "CA" }, "population" : 2102295 }

MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> db.zipcodes.aggregate([{$match:{state:"TX"}},{$group:{\_id:{city:"$city",state:"$state"},population:{$sum:"$pop"}}},{$sort:{population:-1}},{$limit:3}])

{ "\_id" : { "city" : "HOUSTON", "state" : "TX" }, "population" : 2095918 }

{ "\_id" : { "city" : "DALLAS", "state" : "TX" }, "population" : 940191 }

{ "\_id" : { "city" : "SAN ANTONIO", "state" : "TX" }, "population" : 811792 }

BONUS

MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:{state:"$state"},population:{$sum:"$pop"},Avg:{$avg: "$pop"}}}])

{ "\_id" : { "state" : "FL" }, "population" : 12686644, "Avg" : 15779.407960199005 }

{ "\_id" : { "state" : "MN" }, "population" : 4372982, "Avg" : 4958.02947845805 }

{ "\_id" : { "state" : "ND" }, "population" : 638272, "Avg" : 1632.4092071611253 }

{ "\_id" : { "state" : "MO" }, "population" : 5110648, "Avg" : 5141.496981891348 }

{ "\_id" : { "state" : "NE" }, "population" : 1578139, "Avg" : 2749.3710801393727 }

{ "\_id" : { "state" : "CT" }, "population" : 3287116, "Avg" : 12498.539923954373 }

{ "\_id" : { "state" : "NY" }, "population" : 17990402, "Avg" : 11279.248902821317 }

{ "\_id" : { "state" : "MT" }, "population" : 798948, "Avg" : 2544.420382165605 }

{ "\_id" : { "state" : "NJ" }, "population" : 7730188, "Avg" : 14315.162962962962 }

{ "\_id" : { "state" : "LA" }, "population" : 4217595, "Avg" : 9089.644396551725 }

{ "\_id" : { "state" : "MD" }, "population" : 4781379, "Avg" : 11384.235714285714 }

{ "\_id" : { "state" : "KS" }, "population" : 2475285, "Avg" : 3461.937062937063 }

{ "\_id" : { "state" : "ME" }, "population" : 1226648, "Avg" : 2991.8243902439026 }

{ "\_id" : { "state" : "IN" }, "population" : 5544136, "Avg" : 8201.384615384615 }

{ "\_id" : { "state" : "AR" }, "population" : 2350725, "Avg" : 4066.998269896194 }

{ "\_id" : { "state" : "GA" }, "population" : 6478216, "Avg" : 10201.914960629922 }

{ "\_id" : { "state" : "AL" }, "population" : 4040587, "Avg" : 7126.255731922399 }

{ "\_id" : { "state" : "WY" }, "population" : 453528, "Avg" : 3239.4857142857145 }

{ "\_id" : { "state" : "CO" }, "population" : 3293755, "Avg" : 7955.929951690821 }

{ "\_id" : { "state" : "UT" }, "population" : 1722850, "Avg" : 8404.146341463415 }

Type "it" for more

MongoDB Enterprise atlas-bogjb2-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:"$state",population:{$sum:"$pop"},Avg:{$avg: "$pop"}}},{$sort:{Avg:-1}},{$limit:3}])

{ "\_id" : "DC", "population" : 606900, "Avg" : 25287.5 }

{ "\_id" : "CA", "population" : 29754890, "Avg" : 19627.236147757256 }

{ "\_id" : "FL", "population" : 12686644, "Avg" : 15779.407960199005 }