show dbs

admin 0.000GB

config 0.000GB

local 0.000GB

mydb 0.000GB

population 0.002GB

test 0.000GB

> use population

switched to db population

> 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

>

>

> db.zipcodes.aggregate([{$match:{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" }

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{ "\_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" }

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

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{ "\_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([{$match:{city:"ATLANTA"}},{$group:{\_id:{\_id:"$\_id"}}},{$count:"Number of zip code"}])

{ "Number of zip code" : 41 }

>

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

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

>

>

>

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>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Type "it" for more

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Type "it" for more

>

>

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

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

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

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

>