Microsoft Windows [Version 10.0.19042.1081]

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C:\Users\ratho>mongo "mongodb+srv://cluster0.wmpag.mongodb.net/myFirstDatabase" --username admin

MongoDB shell version v4.4.6

Enter password:

connecting to: mongodb://cluster0-shard-00-01.wmpag.mongodb.net:27017,cluster0-shard-00-02.wmpag.mongodb.net:27017,cluster0-shard-00-00.wmpag.mongodb.net:27017/myFirstDatabase?authSource=admin&compressors=disabled&gssapiServiceName=mongodb&replicaSet=atlas-ldo0gd-shard-0&ssl=true

Implicit session: session { "id" : UUID("ea2db869-0629-4fcc-be0f-035e9f3002ab") }

MongoDB server version: 4.4.6

Error while trying to show server startup warnings: user is not allowed to do action [getLog] on [admin.]

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> show dbs

admin 0.000GB

local 3.615GB

mongo\_practice 0.000GB

population 0.002GB

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> use population

switched to db population

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> db.zipcodes.find({city:"ATLANTA",state:"GA"}).pretty()

{

"\_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-ldo0gd-shard-0:PRIMARY> db.zipcodes.aggregate([{$match:{$and:[{city:"ATLANTA"},{state:"GA"}]}}]).pretty()

{

"\_id" : "30303",

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],

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"state" : "GA"

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"pop" : 125,

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"pop" : 18467,

"state" : "GA"

}

{

"\_id" : "30329",

"city" : "ATLANTA",

"loc" : [

-84.321402,

33.823555

],

"pop" : 17013,

"state" : "GA"

}

Type "it" for more

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> db.zipcodes.aggregate([ {$match: {city:"ATLANTA"} }, {$group:{ \_id:"$city", zipcodes:{$sum:1}}}])

{ "\_id" : "ATLANTA", "zipcodes" : 41 }

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> db.zipcodes.aggregate([ {$match: {city:"ATLANTA"} }, {$group:{ \_id:"$city", total\_pop:{$sum:"$pop"}}}])

{ "\_id" : "ATLANTA", "total\_pop" : 630046 }

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> db.zipcodes.aggregate( [

... { $group: { \_id: "$state", totalPop: { $sum: "$pop" } } }

...

...

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> db.zipcodes.aggregate( [{ $group: { \_id: "$state", totalPop: { $sum: "$pop" } } }] )

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Type "it" for more

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:{state:"$state"},totalpop:{$sum:"$pop"}}},{$sort:{totalpop: -1}}])

{ "\_id" : { "state" : "CA" }, "totalpop" : 29754890 }

{ "\_id" : { "state" : "NY" }, "totalpop" : 17990402 }

{ "\_id" : { "state" : "TX" }, "totalpop" : 16984601 }

{ "\_id" : { "state" : "FL" }, "totalpop" : 12686644 }

{ "\_id" : { "state" : "PA" }, "totalpop" : 11881643 }

{ "\_id" : { "state" : "IL" }, "totalpop" : 11427576 }

{ "\_id" : { "state" : "OH" }, "totalpop" : 10846517 }

{ "\_id" : { "state" : "MI" }, "totalpop" : 9295297 }

{ "\_id" : { "state" : "NJ" }, "totalpop" : 7730188 }

{ "\_id" : { "state" : "NC" }, "totalpop" : 6628637 }

{ "\_id" : { "state" : "GA" }, "totalpop" : 6478216 }

{ "\_id" : { "state" : "VA" }, "totalpop" : 6181479 }

{ "\_id" : { "state" : "MA" }, "totalpop" : 6016425 }

{ "\_id" : { "state" : "IN" }, "totalpop" : 5544136 }

{ "\_id" : { "state" : "MO" }, "totalpop" : 5110648 }

{ "\_id" : { "state" : "WI" }, "totalpop" : 4891769 }

{ "\_id" : { "state" : "TN" }, "totalpop" : 4876457 }

{ "\_id" : { "state" : "WA" }, "totalpop" : 4866692 }

{ "\_id" : { "state" : "MD" }, "totalpop" : 4781379 }

{ "\_id" : { "state" : "MN" }, "totalpop" : 4372982 }

Type "it" for more

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY>

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> db.zipcodes.aggregate([ {$group: { \_id:{state:"$state"},totalpop:{$sum:"$pop"} } }, {$sort:{totalpop: -1}},{$limit:3} ])

{ "\_id" : { "state" : "CA" }, "totalpop" : 29754890 }

{ "\_id" : { "state" : "NY" }, "totalpop" : 17990402 }

{ "\_id" : { "state" : "TX" }, "totalpop" : 16984601 }

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> db.zipcodes.aggregate([ {$group: { \_id:{state:"$state"},totalpop:{$sum:"$pop"} } }, {$sort:{totalpop: -1}},{$limit:3} ])

{ "\_id" : { "state" : "CA" }, "totalpop" : 29754890 }

{ "\_id" : { "state" : "NY" }, "totalpop" : 17990402 }

{ "\_id" : { "state" : "TX" }, "totalpop" : 16984601 }

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> db.zipcodes.aggregate([

... ... {$group:{\_id:{state:"$state",city:"$city"},city\_pop:{$sum:"$pop"}}}])

{ "\_id" : { "state" : "GA", "city" : "TY TY" }, "city\_pop" : 2513 }

{ "\_id" : { "state" : "MI", "city" : "LINDEN" }, "city\_pop" : 10127 }

{ "\_id" : { "state" : "NY", "city" : "MINEOLA" }, "city\_pop" : 19087 }

{ "\_id" : { "state" : "NY", "city" : "CAMPBELL" }, "city\_pop" : 2966 }

{ "\_id" : { "state" : "PA", "city" : "WARMINSTER" }, "city\_pop" : 37759 }

{ "\_id" : { "state" : "TN", "city" : "MC DONALD" }, "city\_pop" : 819 }

{ "\_id" : { "state" : "WI", "city" : "AVOCA" }, "city\_pop" : 1072 }

{ "\_id" : { "state" : "PA", "city" : "MC CONNELLSBURG" }, "city\_pop" : 2529 }

{ "\_id" : { "state" : "MN", "city" : "CLOQUET" }, "city\_pop" : 13503 }

{ "\_id" : { "state" : "SD", "city" : "GARDEN CITY" }, "city\_pop" : 175 }

{ "\_id" : { "state" : "TN", "city" : "HURRICANE MILLS" }, "city\_pop" : 2200 }

{ "\_id" : { "state" : "TX", "city" : "V A HOSPITAL" }, "city\_pop" : 10462 }

{ "\_id" : { "state" : "ID", "city" : "POTLATCH" }, "city\_pop" : 1836 }

{ "\_id" : { "state" : "MA", "city" : "EAST DOUGLAS" }, "city\_pop" : 5594 }

{ "\_id" : { "state" : "NY", "city" : "CUTCHOGUE" }, "city\_pop" : 3678 }

{ "\_id" : { "state" : "NC", "city" : "FARMER" }, "city\_pop" : 41541 }

{ "\_id" : { "state" : "NC", "city" : "MOUNT GILEAD" }, "city\_pop" : 5829 }

{ "\_id" : { "state" : "PA", "city" : "SEWARD" }, "city\_pop" : 1348 }

{ "\_id" : { "state" : "MN", "city" : "HUNTLEY" }, "city\_pop" : 469 }

{ "\_id" : { "state" : "IA", "city" : "SCHLESWIG" }, "city\_pop" : 1191 }

Type "it" for more

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:"$city",totalpop:{$sum:"$pop"}}},{$sort:{totalpop:-1}}])

{ "\_id" : "CHICAGO", "totalpop" : 2452177 }

{ "\_id" : "BROOKLYN", "totalpop" : 2341387 }

{ "\_id" : "HOUSTON", "totalpop" : 2123053 }

{ "\_id" : "LOS ANGELES", "totalpop" : 2102295 }

{ "\_id" : "PHILADELPHIA", "totalpop" : 1639862 }

{ "\_id" : "NEW YORK", "totalpop" : 1476790 }

{ "\_id" : "BRONX", "totalpop" : 1209548 }

{ "\_id" : "SAN DIEGO", "totalpop" : 1054316 }

{ "\_id" : "DALLAS", "totalpop" : 999042 }

{ "\_id" : "DETROIT", "totalpop" : 967468 }

{ "\_id" : "PHOENIX", "totalpop" : 902249 }

{ "\_id" : "MIAMI", "totalpop" : 848436 }

{ "\_id" : "COLUMBUS", "totalpop" : 825448 }

{ "\_id" : "SAN JOSE", "totalpop" : 817497 }

{ "\_id" : "SAN ANTONIO", "totalpop" : 813188 }

{ "\_id" : "WASHINGTON", "totalpop" : 780954 }

{ "\_id" : "BALTIMORE", "totalpop" : 738846 }

{ "\_id" : "JACKSONVILLE", "totalpop" : 735505 }

{ "\_id" : "SAN FRANCISCO", "totalpop" : 723993 }

{ "\_id" : "CLEVELAND", "totalpop" : 687451 }

Type "it" for more

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:"$city",totalpop:{$sum:"$pop"}}},{$sort:{totalpop:-1}},{$limit:3}])

{ "\_id" : "CHICAGO", "totalpop" : 2452177 }

{ "\_id" : "BROOKLYN", "totalpop" : 2341387 }

{ "\_id" : "HOUSTON", "totalpop" : 2123053 }

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> db.zipcodes.aggregate([{$group:{\_id:{state:"TX",city:"$city"}, city\_pop:{$sum:"$pop"}}},{$sort:{city\_pop:-1}},{$limit:3}])

{ "\_id" : { "state" : "TX", "city" : "CHICAGO" }, "city\_pop" : 2452177 }

{ "\_id" : { "state" : "TX", "city" : "BROOKLYN" }, "city\_pop" : 2341387 }

{ "\_id" : { "state" : "TX", "city" : "HOUSTON" }, "city\_pop" : 2123053 }

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> db.zipcodes.aggregate([ {$group:{\_id:{state:"$state",city:"$city"},pop:{$sum:"$pop"}}}, {$group:{\_id:"$\_id.state",cityAvgPop:{$avg:"$pop"}}} ])

{ "\_id" : "AZ", "cityAvgPop" : 20591.16853932584 }

{ "\_id" : "NV", "cityAvgPop" : 18209.590909090908 }

{ "\_id" : "NC", "cityAvgPop" : 10622.815705128205 }

{ "\_id" : "OR", "cityAvgPop" : 8262.561046511628 }

{ "\_id" : "VT", "cityAvgPop" : 2315.8765432098767 }

{ "\_id" : "PA", "cityAvgPop" : 8679.067202337472 }

{ "\_id" : "OK", "cityAvgPop" : 6155.743639921722 }

{ "\_id" : "MN", "cityAvgPop" : 5372.21375921376 }

{ "\_id" : "NM", "cityAvgPop" : 5872.360465116279 }

{ "\_id" : "VA", "cityAvgPop" : 8526.177931034483 }

{ "\_id" : "AR", "cityAvgPop" : 4175.355239786856 }

{ "\_id" : "SD", "cityAvgPop" : 1839.6746031746031 }

{ "\_id" : "IN", "cityAvgPop" : 9271.130434782608 }

{ "\_id" : "TN", "cityAvgPop" : 9656.350495049504 }

{ "\_id" : "AK", "cityAvgPop" : 2976.4918032786886 }

{ "\_id" : "MT", "cityAvgPop" : 2593.987012987013 }

{ "\_id" : "FL", "cityAvgPop" : 27400.958963282937 }

{ "\_id" : "ND", "cityAvgPop" : 1645.0309278350514 }

{ "\_id" : "IA", "cityAvgPop" : 3123.0821147356583 }

{ "\_id" : "KS", "cityAvgPop" : 3819.884259259259 }

Type "it" for more

MongoDB Enterprise atlas-ldo0gd-shard-0:PRIMARY> db.zipcodes.aggregate([ {$group:{\_id:{state:"$state",city:"$city"},pop:{$sum:"$pop"}}}, {$group:{\_id:"$\_id.state",cityAvgPop:{$avg:"$pop"}}},{$limit:3} ])

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