

CA1 mongosh mongodb+srv://cluster0.msg7a.mongodb.net/myFirstDatabase

Atlas atlas-h87gw6-shard-0 [primary] 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',
```

Atlas atlas-h87gw6-shard-0 [primary] population> db.zipcodes.aggregate([{\$match: {\$and: [{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,
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    _id: '30306',
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    loc: [ -84.351418, 33.786027 ],
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    _id: '30307',
    city: 'ATLANTA',
    loc: [ -84.335957, 33.769138 ],
    pop: 16330,
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  },
  {
    _id: '30308',
    city: 'ATLANTA',
    loc: [ -84.375744, 33.771839 ],
    pop: 8549,
    state: 'GA'
  },
  {
    _id: '30309',
```

Atlas atlas-h87gw6-shard-0 [primary] population> db.zipcodes.aggregate([{\$group: {\_id: '\$state', pop: {\$sum: "\$pop"}}}])

```
[
  { _id: 'MI', pop: 9295297 },
  { _id: 'VA', pop: 6181479 },
  { _id: 'MS', pop: 2573216 },
  { _id: 'SD', pop: 695397 },
  { _id: 'NV', pop: 1201833 },
  { _id: 'OK', pop: 3145585 },
  { _id: 'KY', pop: 3675484 },
  { _id: 'TN', pop: 4876457 },
  { _id: 'IN', pop: 5544136 },
  { _id: 'UT', pop: 1722850 },
  { _id: 'AZ', pop: 3665228 },
  { _id: 'DC', pop: 606900 },
  { _id: 'AL', pop: 4040587 },
  { _id: 'HI', pop: 1108229 },
  { _id: 'GA', pop: 6478216 },
  { _id: 'WI', pop: 4891769 },
  { _id: 'MD', pop: 4781379 },
  { _id: 'CT', pop: 3287116 },
  { _id: 'NJ', pop: 7730188 },
  { _id: 'ND', pop: 638272 }
]
```

Atlas atlas-h87gw6-shard-0 [primary] population> db.zipcodes.aggregate([{\$group: {\_id: '\$state', pop: {\$sum: "\$pop"}}}, {\$sort: {pop: -1}}])

```
[
  { _id: 'CA', pop: 29754890 },
  { _id: 'NY', pop: 17990402 },
  { _id: 'TX', pop: 16984601 },
  { _id: 'FL', pop: 12686644 },
  { _id: 'PA', pop: 11881643 },
]
```

Atlas atlas-h87gw6-shard-0 [primary] population> db.zipcodes.aggregate([{\$group: {\_id: '\$state', pop: {\$sum: "\$pop"}}}, {\$sort: {pop: -1}}, {\$limit: 3}])

```
[
  { _id: 'CA', pop: 29754890 },
  { _id: 'NY', pop: 17990402 },
  { _id: 'TX', pop: 16984601 }
]
```

Atlas atlas-h87gw6-shard-0 [primary] population> db.zipcodes.aggregate([{\$group: {\_id: { state: "\$state", city: "\$city"}, pop: { \$sum: "\$pop"}}}])

```
[
```

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```
{ _id: 'TX', pop: 16984601 }
]
Atlas atlas-h87gw6-shard-0 [primary] population> db.zipcodes.aggregate([{$group:{ _id: { state:" $state" , city: "$city"},pop: { $sum: "$pop"}}}]])
```

```
[
  { _id: { state: ' $state', city: 'BOYCE' }, pop: 7656 },
  { _id: { state: ' $state', city: 'MARYNEAL' }, pop: 123 },
  { _id: { state: ' $state', city: 'JOPPA' }, pop: 17680 },
  { _id: { state: ' $state', city: 'BLASDELL' }, pop: 13376 },
  { _id: { state: ' $state', city: 'ELIZABETH CITY' }, pop: 31298 },
  { _id: { state: ' $state', city: 'VERNAL' }, pop: 17641 },
  { _id: { state: ' $state', city: 'HUNTER' }, pop: 1842 },
  { _id: { state: ' $state', city: 'SOUTH ELGIN' }, pop: 9117 },
]
```

```
Atlas atlas-h87gw6-shard-0 [primary] population> db.zipcodes.aggregate([{$group:{ _id: { state: "$state" , city: "$city"},pop: { $sum: "$pop"}}}]])
```

```
[
  { _id: { state: 'IA', city: 'DYERSVILLE' }, pop: 4709 },
  { _id: { state: 'MN', city: 'KERRICK' }, pop: 487 },
  { _id: { state: 'TX', city: 'GEORGE WEST' }, pop: 4093 },
  { _id: { state: 'WV', city: 'MEADOW BRIDGE' }, pop: 1446 },
  { _id: { state: 'NJ', city: 'FAIR HAVEN' }, pop: 5176 },
  { _id: { state: 'CA', city: 'LIBERTY FARMS' }, pop: 14536 },
  { _id: { state: 'VT', city: 'WOODSTOCK' }, pop: 3742 },
  { _id: { state: 'PA', city: 'LURGAN' }, pop: 845 },
  { _id: { state: 'CA', city: 'TOPAZ' }, pop: 87 },
  { _id: { state: 'IL', city: 'BOWEN' }, pop: 693 },
  { _id: { state: 'NC', city: 'IRON STATION' }, pop: 9616 },
  { _id: { state: 'MI', city: 'SAINT JAMES' }, pop: 404 },
  { _id: { state: 'NY', city: 'WATERTOWN' }, pop: 39515 },
  { _id: { state: 'KY', city: 'DELPHEIA' }, pop: 349 },
  { _id: { state: 'RI', city: 'BRISTOL' }, pop: 21625 },
  { _id: { state: 'FL', city: 'APALACHICOLA' }, pop: 3859 },
  { _id: { state: 'AL', city: 'TONEY' }, pop: 5953 },
  { _id: { state: 'MI', city: 'STRONACH' }, pop: 14319 },
  { _id: { state: 'IL', city: 'WINDSOR' }, pop: 2019 },
  { _id: { state: 'TN', city: 'MC DONALD' }, pop: 819 }
]
```

Type "it" for more

```
Atlas atlas-h87gw6-shard-0 [primary] population> db.zipcodes.aggregate([{$group:{ _id: { state:"$state" , city: "$city"},pop: { $sum: "$pop"}}} ,{$sort:{pop :-1}}]])
```

```
[
  { _id: { state: 'IL', city: 'CHICAGO' }, pop: 2452177 },
]
```



```
[
  { _id: { state: 'IL', city: 'CHICAGO' }, pop: 2452177 },
]
Atlas atlas-h87gw6-shard-0 [primary] population> db.zipcodes.aggregate([{$group:{_id: { state:" $state" , city: "$city"},pop: { $sum: "$pop"}}} ,{$sort:{pop :-1}}])
[
  { _id: { state: ' $state', city: 'CHICAGO' }, pop: 2452177 },
  { _id: { state: ' $state', city: 'BROOKLYN' }, pop: 2341387 },
  { _id: { state: ' $state', city: 'HOUSTON' }, pop: 2123053 },
  { _id: { state: ' $state', city: 'LOS ANGELES' }, pop: 2102295 },
  { _id: { state: ' $state', city: 'PHILADELPHIA' }, pop: 1639862 },
  { _id: { state: ' $state', city: 'NEW YORK' }, pop: 1476790 },
  { _id: { state: ' $state', city: 'BRONX' }, pop: 1209548 },
  { _id: { state: ' $state', city: 'SAN DIEGO' }, pop: 1054316 },
  { _id: { state: ' $state', city: 'DALLAS' }, pop: 999042 },
  { _id: { state: ' $state', city: 'DETROIT' }, pop: 967468 },
  { _id: { state: ' $state', city: 'PHOENIX' }, pop: 902249 },
  { _id: { state: ' $state', city: 'MIAMI' }, pop: 848436 },
  { _id: { state: ' $state', city: 'COLUMBUS' }, pop: 825448 },
  { _id: { state: ' $state', city: 'SAN JOSE' }, pop: 817497 },
  { _id: { state: ' $state', city: 'SAN ANTONIO' }, pop: 813188 },
  { _id: { state: ' $state', city: 'WASHINGTON' }, pop: 780954 },
  { _id: { state: ' $state', city: 'BALTIMORE' }, pop: 738846 },
  { _id: { state: ' $state', city: 'JACKSONVILLE' }, pop: 735505 },
  { _id: { state: ' $state', city: 'SAN FRANCISCO' }, pop: 723993 },
  { _id: { state: ' $state', city: 'CLEVELAND' }, pop: 687451 }
]
```

Type "it" for more

Atlas atlas-h87gw6-shard-0 [primary] population>

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```
]
Type "it" for more
Atlas atlas-h87gw6-shard-0 [primary] population> db.zipcodes.aggregate([{$group:{_id: { state:"$state" , city: "$city"},pop: { $sum: "$pop"}}},{ $sort:{pop :-1}},{ $limit :
3}}])
[
  { _id: { state: 'IL', city: 'CHICAGO' }, pop: 2452177 },
  { _id: { state: 'NY', city: 'BROOKLYN' }, pop: 2300504 },
  { _id: { state: 'CA', city: 'LOS ANGELES' }, pop: 2102295 }
]
Atlas atlas-h87gw6-shard-0 [primary] population>
```

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```
{ _id: { city: 'GILLETT', totalPop: 641 } }
```

```
]
```

```
Atlas atlas-h87gw6-shard-0 [primary] population> db.zipcodes.aggregate([{$match: { state : "TX"}}, {$group: {_id: {city: "$city", totalPop: { $sum: "$pop" }}}}, { $sort: { totalPop: 1 }}, { $limit: 3}])
```

```
[
```

```
  { _id: { city: 'HUNT', totalPop: 263 } },
```

```
  { _id: { city: 'CORPUS CHRISTI', totalPop: 16634 } },
```

```
  { _id: { city: 'LOCKHART', totalPop: 11690 } }
```

```
]
```

```
Atlas atlas-h87gw6-shard-0 [primary] population>
```