

mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test

Atlas atlas-14p2yt-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'
  }
]
```

Atlas atlas-14p2yt-shard-0 [primary] population> █



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ENG

12:17

21-05-2022



mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test

Atlas atlas-14p2yt-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'
},
```

```
{
  _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'
},
```

],

}

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ENG

12:29

21-05-2022



mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test

```
Atlas atlas-14p2yt-shard-0 [primary] population> db.zipcodes.aggregate([
... {$group: {_id: {city: "$city"}}, {$count: "ATLANTA"}}])
[ { ATLANTA: 16584 } ]
Atlas atlas-14p2yt-shard-0 [primary] population> █
```



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18:32

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mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test

```
Atlas atlas-14p2yt-shard-0 [primary] population> db.zipcodes.aggregate([
... {$group: {_id: {city: "ATLANTA"}, total: {$sum: "$pop"}}}
... ])
[ { _id: { city: 'ATLANTA' }, total: 248408400 } ]
Atlas atlas-14p2yt-shard-0 [primary] population>
```



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12:38
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mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test

Atlas atlas-14p2yt-shard-0 [primary] population> db.zipcodes.aggregate([
... {\$group:{_id:{state:"\$state"},total:{\$sum:"\$pop"}}}
...])

```
[  
  { _id: { state: 'NY' }, total: 17990402 },  
  { _id: { state: 'WV' }, total: 1793146 },  
  { _id: { state: 'PA' }, total: 11881643 },  
  { _id: { state: 'NH' }, total: 1109252 },  
  { _id: { state: 'MN' }, total: 4372982 },  
  { _id: { state: 'KY' }, total: 3675484 },  
  { _id: { state: 'VA' }, total: 6181479 },  
  { _id: { state: 'SD' }, total: 695397 },  
  { _id: { state: 'OK' }, total: 3145585 },  
  { _id: { state: 'NM' }, total: 1515069 },  
  { _id: { state: 'NC' }, total: 6628637 },  
  { _id: { state: 'CA' }, total: 29754890 },  
  { _id: { state: 'LA' }, total: 4217595 },  
  { _id: { state: 'OR' }, total: 2842321 },  
  { _id: { state: 'NV' }, total: 1201833 },  
  { _id: { state: 'MS' }, total: 2573216 },  
  { _id: { state: 'WI' }, total: 4891769 },  
  { _id: { state: 'VT' }, total: 562758 },  
  { _id: { state: 'GA' }, total: 6478216 },  
  { _id: { state: 'IA' }, total: 2776420 }  
]
```

Type "it" for more

Atlas atlas-14p2yt-shard-0 [primary] population> █



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mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test

Atlas atlas-14p2yt-shard-0 [primary] population> db.zipcodes.aggregate([
... {\$group: {_id: {population: "\$pop"}}}, {\$sort: {_id: -1}}
...])

```
[  
  { _id: { population: 112047 } },  
  { _id: { population: 111396 } },  
  { _id: { population: 106564 } },  
  { _id: { population: 100027 } },  
  { _id: { population: 99568 } },  
  { _id: { population: 98612 } },  
  { _id: { population: 96074 } },  
  { _id: { population: 95971 } },  
  { _id: { population: 94317 } },  
  { _id: { population: 94188 } },  
  { _id: { population: 92005 } },  
  { _id: { population: 91814 } },  
  { _id: { population: 89762 } },  
  { _id: { population: 88377 } },  
  { _id: { population: 88241 } },  
  { _id: { population: 88114 } },  
  { _id: { population: 87079 } },  
  { _id: { population: 87026 } },  
  { _id: { population: 85732 } },  
  { _id: { population: 85710 } }  
]
```

Type "it" for more

Atlas atlas-14p2yt-shard-0 [primary] population> █

mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test

```
Atlas atlas-14p2yt-shard-0 [primary] population> db.zipcodes.aggregate([
... {$group: {_id: {population: "$pop", state: "$state"} }}, {$sort: {_id: -1}}, {$limit: 3}])
[
  { _id: { population: 112047, state: 'IL' } },
  { _id: { population: 111396, state: 'NY' } },
  { _id: { population: 106564, state: 'NY' } }
]
Atlas atlas-14p2yt-shard-0 [primary] population> █
```



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mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test

Atlas atlas-14p2yt-shard-0 [primary] population>

Atlas atlas-14p2yt-shard-0 [primary] population> db.zipcodes.aggregate([
... {\$group: {_id: {city: "\$city", state: "\$state"}, total: {\$sum: "\$pop"}}}
...])

```
[  
  { _id: { city: 'UNIONTOWN', state: 'AL' }, total: 4173 },  
  { _id: { city: 'VALENCIA', state: 'PA' }, total: 6437 },  
  { _id: { city: 'SILVER LAKE', state: 'KS' }, total: 2152 },  
  { _id: { city: 'WEST BARNSTABLE', state: 'MA' }, total: 2311 },  
  { _id: { city: 'ACKLEY', state: 'IA' }, total: 2316 },  
  { _id: { city: 'FRENCHVILLE', state: 'PA' }, total: 1278 },  
  { _id: { city: 'CLINTON', state: 'TN' }, total: 21075 },  
  { _id: { city: 'GREYCLIFF', state: 'MT' }, total: 216 },  
  { _id: { city: 'PICKRELL', state: 'NE' }, total: 512 },  
  { _id: { city: 'SLINGERLANDS', state: 'NY' }, total: 5431 },  
  { _id: { city: 'GRADY', state: 'NM' }, total: 265 },  
  { _id: { city: 'WINCHESTER', state: 'TN' }, total: 5753 },  
  { _id: { city: 'HARPERSVILLE', state: 'AL' }, total: 4905 },  
  { _id: { city: 'GAGETOWN', state: 'MI' }, total: 759 },  
  { _id: { city: 'CENTER OSSIPEE', state: 'NH' }, total: 2492 },  
  { _id: { city: 'NEWHALL', state: 'CA' }, total: 25197 },  
  { _id: { city: 'PLYMOUTH MEETING', state: 'PA' }, total: 5206 },  
  { _id: { city: 'OKAHUMPKA', state: 'FL' }, total: 1779 },  
  { _id: { city: 'MC DONALD', state: 'PA' }, total: 9077 },  
  { _id: { city: 'WEYERHAEUSER', state: 'WI' }, total: 858 }  
]
```

Type "it" for more

Atlas atlas-14p2yt-shard-0 [primary] population>



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mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test

Atlas atlas-14p2yt-shard-0 [primary] population> db.zipcodes.aggregate([
... {\$group:{_id:{population:"\$pop",city:"\$city"}}},{\$sort:{_id:-1}}
...])

```
[  
  { _id: { population: 112047, city: 'CHICAGO' } },  
  { _id: { population: 111396, city: 'BROOKLYN' } },  
  { _id: { population: 106564, city: 'NEW YORK' } },  
  { _id: { population: 100027, city: 'NEW YORK' } },  
  { _id: { population: 99568, city: 'BELL GARDENS' } },  
  { _id: { population: 98612, city: 'CHICAGO' } },  
  { _id: { population: 96074, city: 'LOS ANGELES' } },  
  { _id: { population: 95971, city: 'CHICAGO' } },  
  { _id: { population: 94317, city: 'CHICAGO' } },  
  { _id: { population: 94188, city: 'NORWALK' } },  
  { _id: { population: 92005, city: 'CHICAGO' } },  
  { _id: { population: 91814, city: 'CHICAGO' } },  
  { _id: { population: 89762, city: 'CHICAGO' } },  
  { _id: { population: 88377, city: 'CHICAGO' } },  
  { _id: { population: 88241, city: 'JACKSON HEIGHTS' } },  
  { _id: { population: 88114, city: 'ARLETA' } },  
  { _id: { population: 87079, city: 'BROOKLYN' } },  
  { _id: { population: 87026, city: 'SOUTH GATE' } },  
  { _id: { population: 85732, city: 'RIDGEWOOD' } },  
  { _id: { population: 85710, city: 'BRONX' } }  
]
```

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Atlas atlas-14p2yt-shard-0 [primary] population>



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13:35

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mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test

```
Atlas atlas-14p2yt-shard-0 [primary] population> db.zipcodes.aggregate([
... {$group:{_id:{"population":"$pop","city":"$city"}}},{ $sort:{_id:-1}},{ $limit:3}
... ])
[
  { _id: { population: 112047, city: 'CHICAGO' } },
  { _id: { population: 111396, city: 'BROOKLYN' } },
  { _id: { population: 106564, city: 'NEW YORK' } }
]
Atlas atlas-14p2yt-shard-0 [primary] population>
```



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ENG

18:52

21-05-2022



mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test

```
Atlas atlas-14p2yt-shard-0 [primary] population> db.zipcodes.aggregate([
... {$group:{_id:{"population":"$pop","city":"$city","state":"Texas"}}},{ $sort:{_id:-1}},{ $limit:3}
... ])
[
  { _id: { population: 112047, city: 'CHICAGO', state: 'Texas' } },
  { _id: { population: 111396, city: 'BROOKLYN', state: 'Texas' } },
  { _id: { population: 106564, city: 'NEW YORK', state: 'Texas' } }
]
Atlas atlas-14p2yt-shard-0 [primary] population>
```



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ENG

18:56

21-05-2022



mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test

Atlas atlas-14p2yt-shard-0 [primary] population> db.zipcodes.aggregate([

... {\$group:{_id:{city:"\$city",state:"\$state"},

..... Average:{\$avg:"\$pop"}}}]

...])

[

{ _id: { city: 'COIN', state: 'IA' }, Average: 387 },

{ _id: { city: 'RHOME', state: 'TX' }, Average: 1771 },

{ _id: { city: 'DRIVER', state: 'AR' }, Average: 25 },

{ _id: { city: 'KERRVILLE', state: 'TX' }, Average: 26128 },

{ _id: { city: 'BUXTON', state: 'OR' }, Average: 420 },

{ _id: { city: 'MUNFORD', state: 'AL' }, Average: 4998 },

{ _id: { city: 'SALISBURY', state: 'MA' }, Average: 6879 },

{ _id: { city: 'RICHLAND', state: 'PA' }, Average: 3367 },

{ _id: { city: 'SPRINGVILLE', state: 'IA' }, Average: 2011 },

{ _id: { city: 'DEATSVILLE', state: 'AL' }, Average: 5913 },

{ _id: { city: 'CAMBRIDGE', state: 'ME' }, Average: 863 },

{ _id: { city: 'GLEN ROCK', state: 'PA' }, Average: 7217 },

{ _id: { city: 'MANCHESTER CENTE', state: 'VT' }, Average: 3622 },

{ _id: { city: 'SILSBEE', state: 'TX' }, Average: 27117 },

{ _id: { city: 'MILDRED', state: 'PA' }, Average: 500 },

{ _id: { city: 'SAN PABLO', state: 'CO' }, Average: 638 },

{ _id: { city: 'BELLEVUE', state: 'ID' }, Average: 2150 },

{ _id: { city: 'MEDINA', state: 'TX' }, Average: 1590 },

{ _id: { city: 'OCATE', state: 'NM' }, Average: 327 },

{ _id: { city: 'ARNOLDS PARK', state: 'IA' }, Average: 1109 }

]

Type "it" for more

Atlas atlas-14p2yt-shard-0 [primary] population>



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ENG

19:01

21-05-2022



mongosh mongodb+srv://<credentials>@test.boitr.mongodb.net/Test

```
Atlas atlas-14p2yt-shard-0 [primary] population> db.zipcodes.aggregate([
... {$group:{_id:{city:"$city",state:"$state"},Average:{$avg:"$pop"}}},{ $limit:3},{ $sort:{pop:-1}}
... ])
[
  { _id: { city: 'BEDFORD', state: 'VA' }, Average: 16245 },
  { _id: { city: 'JASPER', state: 'MO' }, Average: 2085 },
  { _id: { city: 'MILFORD', state: 'VA' }, Average: 3385 }
]
Atlas atlas-14p2yt-shard-0 [primary] population> █
```



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Start...



ENG

19:11

21-05-2022

