

MongoDB Compass - cluster0.xum5mos.mongodb.net/DataMgt\_and\_Database\_Design.Lab1

Compass

My Queries

CONNECTIONS (1)

Search connections

cluster0.xum5mos.mongodb.net

DataMgt\_and\_Database\_Design

Lab1

admin

config

local

sample\_mflix

cluster0.xum5mos.mongodb.net > DataMgt\_and\_Database\_Design > Lab1

Documents 10 Aggregations Schema Indexes 1 Validation

\$group

Generate aggregation Explain Export Run Options

EmbeddingLa... SAVE CREATE NEW EXPORT TO LANGUAGE

PREVIEW STAGES TEXT WIZARD

```
1 {
2   {
3     $group:
4     /**
5      * _id: The id of the group.
6      * fieldN: The first field name.
7      */
8     {
9       _id: "$CustomerID",
10      LastName: {
11        $first: "$LastName"
12      },
13      FirstName: {
14        $first: "$FirstName"
15      },
16      EmailAddress: {
17        $first: "$EmailAddress"
18      },
19      AverageTotalOrderQuantity: {
20        $avg: "$TotalOrderQuantity"
21      },
22      AverageOrderValue: {
23        $avg: "$OrderValue"
24      }
25    }
26  }
27 }
```

PIPELINE OUTPUT

Sample of 3 documents

OUTPUT OPTIONS

\_id: 30083  
LastName: "Track"  
FirstName: "Glenn"  
EmailAddress: "glenn@adventure-works.com"  
AverageTotalOrderQuantity: 117  
AverageOrderValue: 2486255.25

\_id: 30026  
LastName: "Miller"  
FirstName: "Emilo"  
EmailAddress: "emilo@adventure-works.com"  
AverageTotalOrderQuantity: 33.5  
AverageOrderValue: 242869.5

\_id: 30010  
LastName: "Mew"  
FirstName: "Stephen"  
EmailAddress: "stephen4@adventure-works.com"  
AverageTotalOrderQuantity: 1  
AverageOrderValue: 728.5

cluster0.xum5mos.mongodb.net > DataMgt\_and\_Database\_Design > Customers

Documents 3 Aggregations Schema Indexes 1 Validation

\$lookup \$unwind \$group

Generate aggregation Explain Export Run Options

Untitled - modified SAVE CREATE NEW EXPORT TO LANGUAGE

PREVIEW STAGES TEXT WIZARD

```
1 /**
2  * path: Path to the array field.
3  * includeArrayIndex: Optional name for i
4  * preserveNullAndEmptyArrays: Optional
5  * toggle to unwind null and empty valu
6  */
7 {
8   path: "$orders"
9 }
```

Output after \$unwind stage (Sample of 10 documents)

\_id: 30083  
LastName: "Track"  
FirstName: "Glenn"  
EmailAddress: "glenn@adventure-works.com"  
SalesOrder IDs: Array (4)  
CustomerID: 30083  
orders: Object

\_id: 30083  
LastName: "Track"  
FirstName: "Glenn"  
EmailAddress: "glenn@adventure-works.com"  
SalesOrder IDs: Array (4)  
CustomerID: 30083  
orders: Object

Stage 3 \$group

```
1 /**
2  * _id: The id of the group.
3  * fieldN: The first field name.
4  */
5 {
6   _id: null,
7   totalOrderNumber: {
8     $sum: "$orders.TotalOrderQuantity"
9   },
10  totalOrderValue: {
11    $sum: "$orders.OrderValue"
12  }
13 }
```

Output after \$group stage (Sample of 1 document)

\_id: null  
totalOrderNumber: 604  
totalOrderValue: 10917956

+ Add stage

Learn more about aggregation pipeline stages