Отчет

Проверку осуществлял пока в файле с расширением js.

db.collection.aggregate([

{ $group: { \_id: "$class", \_total: { $sum: 1 } } },

{ $project: { \_id: 0, class: "$\_id", total: "$\_total" } }

]);

db.collection.aggregate([

{

$match: {

$expr: {

$not: { $eq: ["$destCountry", "United States"] }

}

}

},

{

$group: {

\_id: "$destCity",

avgPassengers: { $avg: "$passengers" }

}

},

{ $sort: { avgPassengers: -1 } },

{ $limit: 3 },

{ $project: { \_id: 0, avgPassengers: 1, city: "$\_id" } }

]);

db.collection.aggregate([

{ $match: { destCountry: "Latvia" } },

{ $group: { \_id: "$destCountry", carriers: { $addToSet: "$carrier" } } }

]);

db.collection.aggregate([

{

$match: {

$expr: {

$and: [

{

$or: [

{ $eq: ["$destCountry", "Spain"] },

{ $eq: ["$destCountry", "Italy"] },

{ $eq: ["$destCountry", "Greece"] }

]

},

{ $eq: ["$originCountry", "United States"] }

]

}

}

},

{

$group: {

\_id: "$carrier",

total: { $max: "$passengers" }

}

},

{ $limit: 10 },

{ $skip: 3 }

]);

db.collection.aggregate([

{

$match: {

$expr: {

$eq: ["$originCountry", "United States"]

}

}

},

{

$group: {

\_id: {

state: "$originState",

city: "$originCity"

},

\_totalPassengers: { $sum: "$passengers" }

}

},

{

$sort: { \_totalPassengers: -1 }

},

{

$limit: 5

},

{

$sort: { "\_id.state": 1 }

},

{

$project: {

totalPassengers: "$\_totalPassengers",

location: "$\_id",

\_id: 0

}

}

]);