MongoDB Task2

1. db.airlines.aggregate(

{$unwind: '$class'},

{$group: { \_id :'$class', count: {$sum: 1}

}

},

{$project: {

\_id: 0,

class: '$\_id',

count: 1

}

}

).pretty()

Result:

{ "count" : 140343, "class" : "F" }

{ "count" : 23123, "class" : "L" }

{ "count" : 5683, "class" : "P" }

{ "count" : 17499, "class" : "G" }

1. Query

db.airlines.aggregate(

... {$match:{

... "destCountry": {$ne:"United States"}

... }

... },

... {$group: {

... \_id :'$destCity', count: {$sum: "$passengers"}

... }

... },

... {$project: {

... \_id: 0,

... avgPassengers: '$count',

... city: "$\_id"}

... },

... { "$limit": 3 }

... ).pretty()

Result:

{ "avgPassengers" : 22173, "city" : "Cap-Haitien, Haiti" }

{ "avgPassengers" : 17020, "city" : "Loreto, Mexico" }

{ "avgPassengers" : 10662, "city" : "Nanjing, China" }

1. Query

db.airlines.aggregate( [

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

... { $group :

... { \_id : "$destCountry",

... carriers: {$addToSet: "$carrier"}

... }

... }

... ]).pretty()

Result

{

"\_id" : "Latvia",

"carriers" : [

"Uzbekistan Airways",

"Blue Jet SP Z o o",

"JetClub AG"

]

}