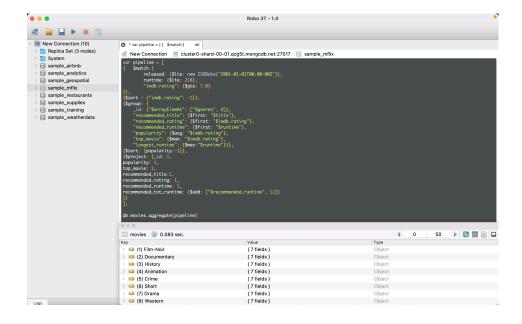
## **Unstructured Data Management**

CIS8045: In-Class Exercise 02

```
# Query-1:
var pipeline = [
{ $match:{
     released: {$lte: new ISODate("2001-01-01T00:00:00Z")},
     runtime: {$lte: 218},
     "imdb.rating": {$gte: 7.0}
{$sort : {"imdb.rating": -1}},
{$group: {
  _id: {"$arrayElemAt": ["$genres", 0]},
  "recommended title": {$first: "$title"},
  "recommended_rating": {$first: "$imdb.rating"},
  "recommended_runtime": {$first: "$runtime"},
  "popularity": {$avg: "$imdb.rating"},
  "top_movie": {$max: "$imdb.rating"},
  "longest_runtime": {$max:"$runtime"}}},
{$sort: {popularity:-1}},
{$project: {_id: 1,
popularity: 1,
top_movie: 1,
recommended_title:1,
recommended rating: 1,
recommended_runtime: 1,
recommended tot runtime: {$add: ["$recommended runtime", 12]}
}}
];
```

db.movies.aggregate(pipeline)



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```
# Query-2:
var pipeline = [
{ $match: {
    "awards.wins": {$gte: 1},
    genres: {$in: ["Documentary"]}
}},
{$sort: {"awards.wins": -1}},
{$limit: 3},
{$project: {
    title: 1,
    genres: 1,
    "awards.wins": 1
}}
];
```

db.movies.aggregate(pipeline);

