## **Unstructured Data Management**

## CIS8045: In-Class Exercise 1

# 1. Find Movies in which Leonardo DiCaprio has Acted db.movies.find( {"cast": "Leonardo DiCaprio"}).count()



# 2. Find Genres in which Leonardo DiCaprio has Acted db.movies.distinct("genres", {"cast": "Leonardo DiCaprio"})



# 3. Find Titles and Year of Release in which Leonardo DiCaprio has Acted db.movies.find({"cast": "Leonardo DiCaprio"}, {"title":1, "year":1, "\_id":0})



# 4. Find Movies directed by Leonardo DiCaprio db.movies.find({"directors": "Leonardo DiCaprio"}).count() db.movies.countDocuments({"directors":"Leonardo DiCaprio"})



# 5. Find Movies in which Cast is Leonardo DiCaprio and Director is Martin Scorsese db.movies.find({"cast": "Leonardo DiCaprio", "directors": "Martin Scorsese"}).count()



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# 6. Find Movies in Cast is Leonardo DiCaprio, Director is Martin Scorsese, Genre is Crime db.movies.find({"cast": "Leonardo DiCaprio", "directors": "Martin Scorsese", "\$or": [{"genres": "Crime"}, {"genres": "Drama"}]}).count()



# 7. Find Title, Years of Movies in which Cast is DiCaprio, Director is Scorsese, Genre is Crime db.movies.find({"cast": "Leonardo DiCaprio", "directors": "Martin Scorsese", "\$or": [{"genres": "Crime"}, {"genres": "Drama"}]}, {"title": 1, "year": 1, "\_id":0 } ).forEach(printjson)



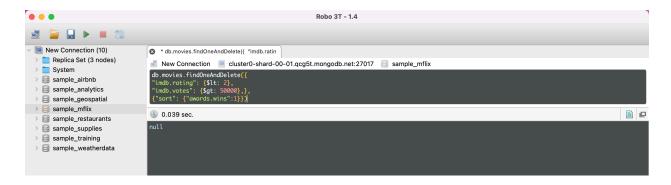
# 8. Display the number of awards and nominations for Title and Years of Movies in which Cast is Leonardo DiCaprio and Director is Martin Scorsese and Genre is Crime db.movies.find({"cast": "Leonardo DiCaprio", "directors": "Martin Scorsese", "\$or": [{"genres": "Crime"}, {"genres": "Drama"}]}, {"title": 1, "year": 1, "\_id":0, "awards.wins": 1, "awards.nominations": 1}).forEach(printjson)



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# 9. Remove Low Rating Movies and Votes are Greater than 50,000 db.movies.findOneAndDelete({

"imdb.rating": {\$lt: 2},
"imdb.votes": {\$gt: 50000},}, {"sort": {"awards.wins":1}})



# 10. Remove Low Rating Movie and Sort Ascending Order db.movies.findOneAndDelete({

"imdb.rating": {\$lt: 2},
"imdb.votes": {\$gt: 50000},},

{"sort": {"awards.wins":1},

"projection": {"title": 1}})



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