

CS 457 - Homework Assignment 6: NoSQL

Due Date: Monday, October 23 at 11:59 pm

Purpose:

Demonstrate exploration of data via creation of statistical tables using MongoDB NoSQL

Points: 100 (20 points each question)

Deliverables: You can either include screenshots of your output or copy paste your queries and **output (Raw Shell Output)** for your answers and submit PDF version.

- Review IDMA Chapter 7 and lecture slides
 - Book Chapter 7
- Create a Database and Load/Import the dataset into collection using dataset `laureate.json`
- Query the collection and **interpret the results**, displaying:
 - the count of total number of records in the collection
 - the count of records for each `diedCountryCode` in descending order of count.
 - the count of records for each `prizes.category` in descending order of count.
 - the count of records for each `gender`, `diedCountryCode`, `prize.category` when `prize.category` is “physics”. Order the output by `diedCountryCode`.
 - Come up with your own query to show any interesting insight. Use atleast two fields for match and two fields for group.

Tools:

- MongoDB, MongoDBCompass, Studio3T