Chapter 3: Core Aggregation - Combining Information

Lab - $group and Accumulators

Problem:

In the last lab, we calculated a normalized rating that required us to know what the minimum and maximum values for `imdb.votes` were. These values were found using the `$group` stage!

For all films that won at least 1 Oscar, calculate the standard deviation, highest, lowest, and average `imdb.rating`. Use the **sample** standard deviation expression.

HINT - All movies in the collection that won an Oscar begin with a string resembling one of the following in their `awards` field

COPY

```
Won 13 Oscars
Won 1 Oscar
```

Select the correct answer from the choices below. Numbers are truncated to 4 decimal places.

Correct! SEE DETAILED ANSWER

Choose the best answer:

- { "highest_rating" : 9.8, "lowest_rating" : 6.5, "average_rating" : 7.5270, "deviation" : 0.5988 }
- **{ "highest_rating" : 9.2, "lowest_rating" : 4.5, "average_rating" : 7.5270, "deviation" : 0.5988 }**
- { "highest_rating" : 9.5, "lowest_rating" : 5.9, "average_rating" : 7.5290, "deviation" : 0.5988 }
- { "highest_rating" : 9.2, "lowest_rating" : 4.5, "average_rating" : 7.5270, "deviation" : 0.5984 }

Correct! See detailed answer

Proceed to next section