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## Big Data System Engineering with Scala Spring 2022 Assignment No. 6



## Task

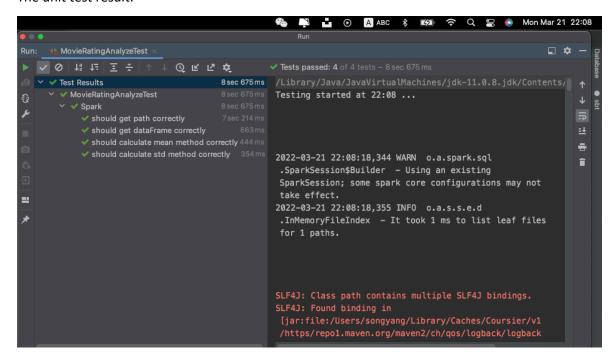
Read movie rating dataset and calculate the mean rating and the standard deviation for all movies and create test cases

## Solution/ Unit test (screenshot)

All Scala files are in the spark-csv module. I create a new class called "MovieRatingAnalyze.Scala" and its related test class "MovieRatingAnalyzeTest.Scala". I use the "movie\_metadata.csv" from the resources directory of this module.

The mean result and the standard deviation result:

The unit test result:



## **Project Source**

https://github.com/Shelleyaaa/CSYE7200/tree/Spring2022/spark-csv