Thejas Bharadwaj – SEC01 (NUID 002727189)

Big Data System Engineering with Scala Spring 2023 Assignment No. 7



-List of Tasks Implemented

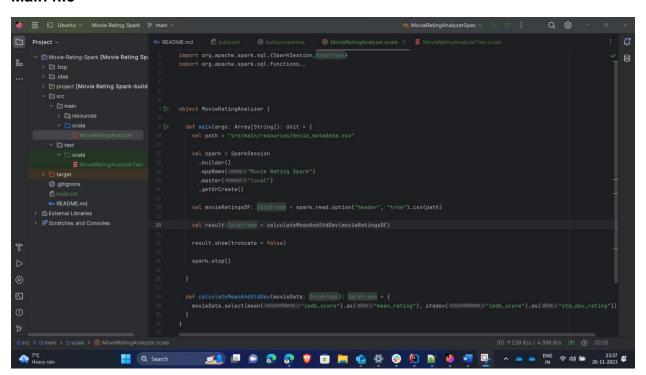
- 1) Created a Github repo thejas98/Movie-Rating-Spark (github.com)
- 2) Created two code files main and test
- 3) The main file has the code to ingest the csv and a function which calculates the mean and the standard deviation of the 'imdb_score' column.
- 4) The test file contains 2 test cases One creates a sample df and tests if the function from main works correctly

-Findings and analysis

N/A

-Code

Main file



Test file

```
■ A CP
                       Ubuntu v Movie Rating Spark 🍄 main
Project ~
                                         .appName(name = "MovieRatingAnalyzerTest")
.master(master = "local")

∨ ☐ Movie-Rating-Spark

                                                                                                                                                                                                                      80
         > 🕞 project [Movie I
                   ■ MovieR
           MI README.md
       External Libraries
                                         val columns = Seq("id", "title", "imdb_score")
val movieRatingsDF: DataFrame = testData.toDF(columns: _*)
                                         val resultRean = resultRow.getAs[Double](fieldName = "mean_rating")
val resultStdDev = resultRow.getAs[Double](fieldName = "std_dev_rating")
                                         resultStdDev shouldEqual expectedStdDev
                                                                         24. ■ 🗩 📦 💦 😵 📳 🚞 🤮 🔞 💆 🚾 🔀 🗐 🐞 🖫 🐧 👛 🗥 👛 👛 ENG 🖘 40) 🖦 28-11-2023 ♥
                                           Q Search
```

-Unit tests

