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# Big Data System Engineering with Scala Spring 2024 Assignment No. 10



- GitHub Repo URL -

## - List of Tasks Implemented

#### - Code

FileName.Scala (Either text or screenshot can be added below of your code snippet, don't add the whole code just the part you completed)

Dataset source:

https://www.kaggle.com/datasets/rounakbanik/the-movies-dataset?resource=download&select=ratings.csv

https://www.kaggle.com/datasets/rounakbanik/the-movies-dataset?resource=download&select=ratings small.csv

```
def analyze(path: String): Unit = {
  val df = spark.read
    .option("header", "true")
    .option("inferSchema", "true")
    .csv(path)
  df.select(mean("rating").as("average_rating"), stddev("rating").as("standard_deviation")).show()
}
```

### - Unit tests / Results

I use ratings\_small as test cases.

And the final result for ratings is as follows.

+
average_rating standard_deviation
+
3.5280903543608817  1.065442763666235
++