Maximum

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[1]: import pyspark
    import os
    import sys
    from pyspark import SparkContext
    from pyspark import SparkConf
    os.environ['PYSPARK_PYTHON'] = sys.executable
    os.environ['PYSPARK_DRIVER_PYTHON'] = sys.executable
    from pyspark.sql import SparkSession
[2]: spark = SparkSession.builder.config("spark.driver.memory", "16g").
     →appName('square').getOrCreate()
[3]: import pandas as pd
    from pyspark.sql import functions as F
    df_pd = pd.DataFrame(
        data={'integers': [1, 2, 3],
         'floats': [-1.0, 0.5, 2.7],
         'integer_arrays': [[1, 2], [3, 4, 5], [6, 7, 8, 9]]}
    df = spark.createDataFrame(df_pd)
    df.printSchema() # It will print the Schema
    df.show()
    print(df.select("integers").rdd.max()[0])
    print(df.agg(F.avg(df['integers'])).show())
    root
     |-- integers: long (nullable = true)
     |-- floats: double (nullable = true)
     |-- integer_arrays: array (nullable = true)
          |-- element: long (containsNull = true)
    +----+
    |integers|floats|integer_arrays|
    +----+
           1 -1.0
                            [1, 2]
```

[]:

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