sparksessionpractice # Numero de recuperados a nivel mundial

%pyspark
from pyspark.sql import SparkSession

%pyspark
spark = SparkSession.builder.appName('Basics').getOrCreate()

%pyspark
SensorDataRDD = sc.textFile('s3://aws-logs-061895363576-us-east-1/mundial/time_series_covid19_recove
SensorDataCount = SensorDataRDD.count()
SensorDataCount

254

%pyspark
df = spark.read.cs√('s3://aws-logs-061895363576-us-east-1/mundial/time_series_covid19_recovered_glob

%pyspark

df.columns

['Province/State', 'Country/Region', 'Lat', 'Long', '1/22/20', '1/23/20', '1/24/20', '1/25/20', '1/26/20', '1/27/20', '1/28/20', '1/29/20', '1/30/20', '1/31/20', '2/1/20', '2/2/20', '2/3/20', '2/4/20', '2/5/20', '2/6/20', '2/7/20', '2/8/20', '2/9/20', '2/10/20', '2/11/20', '2/12/20', '2/13/20', '2/14/20', '2/15/20', '2/16/20', '2/17/20', '2/18/20', '2/19/20', '2/20/20', '2/21/20', '2/22/20', '2/23/20', '2/24/20', '2/25/20', '2/26/20', '2/27/20', '2/28/20', '2/29/20', '3/11/20', '3/2/20', '3/3/20', '3/4/20', '3/5/20', '3/6/20', '3/7/20', '3/8/20', '3/9/20', '3/10/20', '3/11/20', '3/12/20', '3/13/20', '3/14/20', '3/15/20', '3/16/20', '3/17/20', '3/18/20', '3/19/20', '3/20/20', '3/21/20', '3/22/20', '3/23/20', '3/24/20', '3/25/20', '3/26/20', '3/27/20', '3/28/20', '3/29/20', '3/30/20', '3/31/20', '4/1/20', '4/1/20', '4/3/20', '4/5/20', '4/6/20', '4/7/20', '4/8/20', '4/9/20', '4/10/20', '4/11/20', '4/12/20', '4/13/20', '4/14/20', '4/15/20', '4/16/20', '4/17/20', '4/18/20', '4/19/20', '4/20/20', '4/21/20', '4/22/20', '4/23/20', '4/24/20', '4/25/20', '4/26/20', '4/27/20', '4/28/20', '4/29/20', '4/30/20', '5/1/20', '5/3/20', '5/4/20', '5/5/20', '5/6/20', '5/7/20', '5/8/20', '5/9/20', '5/10/20', '5/11/20', '5/11/20', '5/13/20', '5/14/20', '5/15/20']

```
%pyspark
df.printSchema()
|-- 2/27/20: string (nullable = true)
|-- 2/28/20: string (nullable = true)
|-- 2/29/20: string (nullable = true)
|-- 3/1/20: string (nullable = true)
|-- 3/1/20: string (nullable = true)
ec2-54-173-14-241.compute-1.amazonaws.com:8890/#/notebook/2FBCSXKBC
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|-- 3/2/20: string (nullable = true)
|-- 3/3/20: string (nullable = true)
|-- 3/4/20: string (nullable = true)
|-- 3/5/20: string (nullable = true)
|-- 3/5/20: string (nullable = true)
|-- 3/8/20: string (nullable = true)
|-- 3/9/20: string (nullable = true)
|-- 3/11/20: string (nullable = true)
|-- 3/13/20: string (nullable = true)
|-- 3/13/20: string (nullable = true)
|-- 3/14/20: string (nullable = true)
|-- 3/15/20: string (nullable = true)
|-- 3/15/20: string (nullable = true)
|-- 3/15/20: string (nullable = true)
```

%pyspark

df.head(5)

%pyspark

[Row(Province/State=None, Country/Region='Afghanistan', Lat='33.0', Long='65.0', 1/22/20='0', 1/2 3/20='0', 1/24/20='0', 1/25/20='0', 1/26/20='0', 1/27/20='0', 1/28/20='0', 1/29/20='0', 1/30/20 ='0', 1/31/20='0', 2/1/20='0', 2/2/20='0', 2/3/20='0', 2/4/20='0', 2/5/20='0', 2/6/20='0', 2/7/20 ='0', 2/8/20='0', 2/9/20='0', 2/10/20='0', 2/11/20='0', 2/12/20='0', 2/13/20='0', 2/14/20='0', 2/1 5/20='0', 2/16/20='0', 2/17/20='0', 2/18/20='0', 2/19/20='0', 2/20/20='0', 2/21/20='0', 2/22/20 ='0', 2/23/20='0', 2/24/20='0', 2/25/20='0', 2/26/20='0', 2/27/20='0', 2/28/20='0', 2/29/20='0', 3/1/20='0', 3/2/20='0', 3/3/20='0', 3/4/20='0', 3/5/20='0', 3/6/20='0', 3/7/20='0', 3/8/20='0', 3/ 9/20='0', 3/10/20='0', 3/11/20='0', 3/12/20='0', 3/13/20='0', 3/14/20='0', 3/15/20='0', 3/16/20 ='1', 3/17/20='1', 3/18/20='1', 3/19/20='1', 3/20/20='1', 3/21/20='1', 3/22/20='1', 3/23/20='1', 3/24/20='1', 3/25/20='2', 3/26/20='2', 3/27/20='2', 3/28/20='2', 3/29/20='2', 3/30/20='2', 3/31/20 ='5', 4/1/20='5', 4/2/20='10', 4/3/20='10', 4/4/20='10', 4/5/20='15', 4/6/20='18', 4/7/20='18', 4/ 8/20='29', 4/9/20='32', 4/10/20='32', 4/11/20='32', 4/12/20='32', 4/13/20='32', 4/14/20='40', 4/1 5/20='43', 4/16/20='54', 4/17/20='99', 4/18/20='112', 4/19/20='131', 4/20/20='135', 4/21/20='150', 4/22/20='166', 4/23/20='179', 4/24/20='188', 4/25/20='188', 4/26/20='207', 4/27/20='220', 4/28/20 ='228', 4/29/20='252', 4/30/20='260', 5/1/20='310', 5/2/20='331', 5/3/20='345', 5/4/20='397', 5/5/ 20='421', 5/6/20='458', 5/7/20='468', 5/8/20='472', 5/9/20='502', 5/10/20='558', 5/11/20='558', 5/ 12/20='610', 5/13/20='648', 5/14/20='691', 5/15/20='745'), Row(Province/State=None, Country/Region -'Alhania' la+-'A1 1533' long-'30 1683' 1/32/30-'0' 1/32/30-'0' 1/3A/30-'0' 1/35/30-'0'

%pyspark

sparksessionpractice

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     118
         118
            247
                288
                    333
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08 5567 5828 6021 6325 6463 6598
                     6694 6776 6973
                               7117
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             9072 9123 9183 9217 9283 9333 9419 9484 9568 9610
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  8854
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```

%pyspark from pyspark.sql.functions import mean

6470.620553359684