

# sparksessionpractice

```
%pyspark
```

FINISHED

```
# Numero de muertes a nivel mundial
```

Took 0 sec. Last updated by anonymous at May 16 2020, 8:49:41 PM.

```
%pyspark
```

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```
from pyspark.sql import SparkSession
```

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```
%pyspark
```

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```
spark = SparkSession.builder.appName('Basics').getOrCreate()
```

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```
%pyspark
```

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```
SensorDataRDD = sc.textFile('s3://aws-logs-061895363576-us-east-1/mundial/time_series_covid19_deat
```

```
SensorDataCount = SensorDataRDD.count()
```

```
SensorDataCount
```

267

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```
%pyspark
```

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```
df = spark.read.csv('s3://aws-logs-061895363576-us-east-1/mundial/time_series_covid19_deaths_globa
```

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```
%pyspark
```

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```
df.columns
```

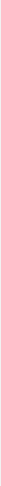
```
['Province/State', 'Country/Region', 'Lat', 'Long', '1/22/20', '1/23/20', '1/24/20', '1/25/20', '1/26/20', '1/27/20', '1/28/20', '1/29/20', '1/30/20', '1/31/20', '2/1/20', '2/2/20', '2/3/20', '2/4/20', '2/5/20', '2/6/20', '2/7/20', '2/8/20', '2/9/20', '2/10/20', '2/11/20', '2/12/20', '2/13/20', '2/14/20',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

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# sparksessionpractice

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```
%pyspark
```

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```
df.orderBy(df['5/15/20'].desc()).show()
```

```
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|4/2/20|4/3/20|4/4/20|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|5/2/20|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|5/12/20|5/13/20|5/14/20|5/15/20|
```

```
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|          null|    North Macedonia| 41.6086| 21.7453|          0|          0|          0|          0|          0
|          0|          0|          0|          0|          0|          0|          0|          0|          0
```

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```
%pyspark
```

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```
from pyspark.sql.functions import mean
```

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```
%pyspark
```

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```
df.select(mean("5/15/20")).show()
# Promedio de muertes el 15 de mayo
```

```
+-----+
|      avg(5/15/20)|
+-----+
|1156.639097744361|
+-----+
```

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```
%pyspark
```

READY

