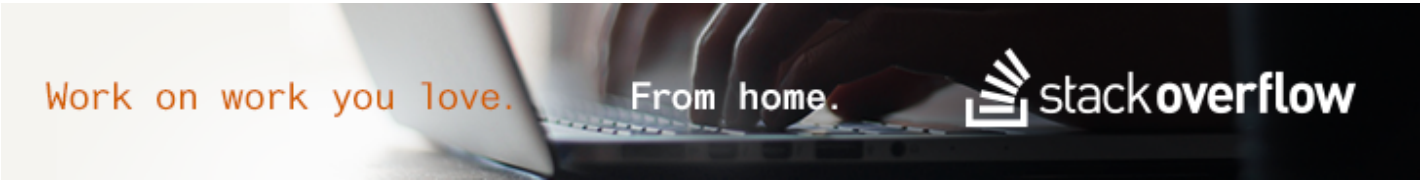
pyspark: Take average of a column after using filter function



I am using the following code to get the average age of people whose salary is greater than some threshold.

```
dataframe.filter(df['salary']>100000).agg({"avg":"age"})
```

the column age is numeric (float) but still I am getting this error.

```
py4j.protocol.Py4JJavaError: An error occurred while calling o86.agg.
: scala.MatchError: age (of class java.lang.String)
```

Do you know any other way to obtain the avg etc. without using `groupBy function` and `sql queries`

python apache-spark apache-spark-sql pyspark pyspark-sql

edited Sep 23 '15 at 16:07

zero323
66.4k 16 78 138

asked Sep 13 '15 at 14:06

iota
664 6 19

1 Answer

Aggregation function should be a value and a column name a key:

```
dataframe.filter(df['salary']>100000).agg({"age": "avg"})
```

Alternatively you can use `pyspark.sql.functions` :

```
from pyspark.sql.functions import col, avg
dataframe.filter(df['salary']>100000).agg(avg(col("age")))
```

answered Sep 13 '15 at 14:52

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