

# Spark by {Examples} (https://sparkbyexamples.com/)

PySpark Tutorial

PySpark Tutorial For Beginners

(https://sparkbyexamples.com/pyspark-tutorial/)

PySpark – Features

(https://sparkbyexamples.com/pyspark-tutorial/#features)

PySpark – Advantages

(https://sparkbyexamples.com/pyspark-tutorial/#advantages)

PySpark – Modules & Packages

(https://sparkbyexamples.com/pyspark-tutorial/#modules-packages)

PySpark – Cluster Managers

(https://sparkbyexamples.com/pyspark-tutorial/#cluster-manager)

PySpark – Install on Windows

(https://sparkbyexamples.com/pyspark-tutorial/#pyspark-installation)

PySpark – Web/Application UI

(https://sparkbyexamples.com/spark/spark-web-ui-understanding/)

PySpark – SparkSession

(https://sparkbyexamples.com/pyspark/pyspark-what-is-sparksession/)

PySpark – RDD

(https://sparkbyexamples.com/pyspark-rdd)

PySpark – Parallelize

(https://sparkbyexamples.com/pyspark/pyspark-parallelize-create-rdd/)

PySpark – repartition() vs coalesce()

(https://sparkbyexamples.com/pyspark/pyspark-repartition-vs-coalesce/)

PySpark – Broadcast Variables


(https://sparkbyexamples.com/pyspark/pyspark-broadcast-variables/)

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Hive (https://sparkbyexamples.com/apache-hive-tutorial/)			

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HBase (https://sparkbyexamples.com/apache-hbase-tutorial/)	PySpark withColumn() Usage with Examples
Kafka (https://sparkbyexamples.com/apache-kafka-tutorials-with-examples/)	

FAQ's PySpark withColumn() is a transformation function of DataFrame which is used to change the value, convert the datatype of an existing column, create a new column, and many more. In this post, I will walk you through commonly used PySpark DataFrame column operations using withColumn() examples.



Learn more

- [PySpark withColumn – To change column Data Type](#)
- [Transform/change value of an existing column](#)

[PySpark – Accumulator  
\(https://sparkbyexamples.com/pyspark/pyspark-accumulator-with-example/\)](https://sparkbyexamples.com/pyspark/pyspark-accumulator-with-example/)

## PySpark DataFrame

[PySpark – Create a DataFrame  
\(https://sparkbyexamples.com/pyspark/different-ways-to-create-dataframe-in-pyspark/\)](https://sparkbyexamples.com/pyspark/different-ways-to-create-dataframe-in-pyspark/)

[PySpark – Create an empty DataFrame  
\(https://sparkbyexamples.com/pyspark/pyspark-create-an-empty-dataframe/\)](https://sparkbyexamples.com/pyspark/pyspark-create-an-empty-dataframe/)

[PySpark – Convert RDD to DataFrame  
\(https://sparkbyexamples.com/pyspark/convert-pyspark-rdd-to-dataframe/\)](https://sparkbyexamples.com/pyspark/convert-pyspark-rdd-to-dataframe/)

[PySpark – Convert DataFrame to Pandas  
\(https://sparkbyexamples.com/pyspark/convert-pyspark-dataframe-to-pandas/\)](https://sparkbyexamples.com/pyspark/convert-pyspark-dataframe-to-pandas/)

[PySpark – show\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-show-display-dataframe-contents-in-table/\)](https://sparkbyexamples.com/pyspark/pyspark-show-display-dataframe-contents-in-table/)

[PySpark – StructType & StructField  
\(https://sparkbyexamples.com/pyspark/pyspark-structtype-and-structfield/\)](https://sparkbyexamples.com/pyspark/pyspark-structtype-and-structfield/)

[PySpark – Row Class  
\(https://sparkbyexamples.com/pyspark/pyspark-row-using-rdd-dataframe/\)](https://sparkbyexamples.com/pyspark/pyspark-row-using-rdd-dataframe/)

[PySpark – Column Class  
\(https://sparkbyexamples.com/pyspark/pyspark-column-functions/\)](https://sparkbyexamples.com/pyspark/pyspark-column-functions/)

[PySpark – select\(\)  
\(https://sparkbyexamples.com/pyspark/select-columns-from-pyspark-dataframe/\)](https://sparkbyexamples.com/pyspark/select-columns-from-pyspark-dataframe/)

[PySpark – collect\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-collect/\)](https://sparkbyexamples.com/pyspark/pyspark-collect/)

[PySpark – withColumn\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-withcolumn/\)](https://sparkbyexamples.com/pyspark/pyspark-withcolumn/)

- [Derive new column from an existing column](#)
- [Add a column with the literal value](#)
- [Rename column name](#)
- [Drop DataFrame column](#)

First, let's [create a DataFrame](https://sparkbyexamples.com/pyspark/different-ways-to-create-dataframe-in-pyspark/) to work with.

```
data = [('James', '', 'Smith', '1991-08-06'),  
        ('Michael', 'Rose', '', '2000-05-13'),  
        ('Robert', '', 'Williams', '1978-02-26'),  
        ('Maria', 'Anne', 'Jones', '1967-08-01'),  
        ('Jen', 'Mary', 'Brown', '1980-09-15')]  
  
columns = ["firstname", "middlename", "lastname", "dob"]  
from pyspark.sql import SparkSession  
spark = SparkSession.builder.appName("PySpark").getOrCreate()  
df = spark.createDataFrame(data, columns)
```

## 1. Change DataType using PySpark withColumn()

By using PySpark withColumn() on a DataFrame, we can cast or change the data type of a column. In order to [change data type](https://sparkbyexamples.com/pyspark/pyspark-cast-column-type/), you would also need to use cast() function along with withColumn(). The below statement [changes the datatype from String to Integer](https://sparkbyexamples.com/spark/spark-cast-string-type-to-integer-type-int/) for the salary column.

```
df.withColumn("salary", col("salary").cast(IntegerType()))
```

## 2. Update The Value of an Existing Column

[PySpark – withColumnRenamed\(\).](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-rename-dataframe-column/>).

[PySpark – where\(\) & filter\(\).](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-where-filter/>).

[PySpark – drop\(\) & dropDuplicates\(\).](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-distinct-to-drop-duplicates/>).

[PySpark – orderBy\(\) and sort\(\).](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-orderby-and-sort-explained/>).

[PySpark – groupBy\(\).](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-groupby-explained-with-example/>).

[PySpark – join\(\).](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-join-explained-with-examples/>).

[PySpark – union\(\) & unionAll\(\).](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-union-and-unionall/>).

[PySpark – unionByName\(\).](#)  
(<https://sparkbyexamples.com/spark/spark-merge-two-dataframes-with-different-columns/>).

[PySpark – UDF \(User Defined Function\).](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-udf-user-defined-function/>).

[PySpark – map\(\).](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-map-transformation/>).

[PySpark – flatMap\(\).](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-flatmap-transformation/>).

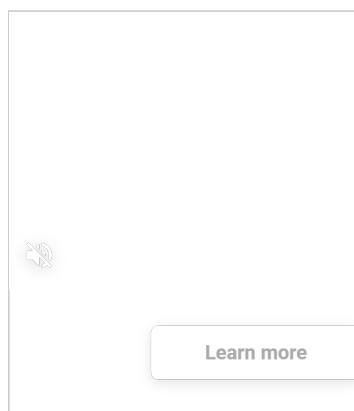
[pyspark – foreach\(\).](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-loop-iterate-through-rows-in-dataframe/#use-foreach-loop-through-dataframe>).

[PySpark – sample\(\) vs sampleBy\(\).](#)

PySpark withColumn() function of DataFrame can also be used to change the value of an existing column. In order to change the value, pass an existing column name as a first argument and a value to be assigned as a second argument to the withColumn() function. Note that the second argument should be Column type . Also, see [Different Ways to Update PySpark DataFrame Column](#) (<https://sparkbyexamples.com/pyspark/pyspark-update-a-column-with-value/>).

```
df.withColumn("salary", col("sal
```

This snippet multiplies the value of “salary” with 100 and updates the value back to “salary” column.



### 3. Create a Column from an Existing

To add/create a new column, specify the first argument with a name you want your new column to be and use the second argument to assign a value by applying an operation on an existing column. Also, see [Different Ways to Add New Column to PySpark DataFrame](#) (<https://sparkbyexamples.com/pyspark/pyspark-add-new-column-to-dataframe/>).

```
df.withColumn("CopiedColumn", co
```

[\(https://sparkbyexamples.com/pyspark/pyspark-sampling-example/\)](https://sparkbyexamples.com/pyspark/pyspark-sampling-example/)

[PySpark – fillna\(\) & fill\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-fillna-fill-replace-null-values/\)](https://sparkbyexamples.com/pyspark/pyspark-fillna-fill-replace-null-values/)

[PySpark – pivot\(\)\\_\(Row to Column\)  
\(https://sparkbyexamples.com/pyspark/pyspark-pivot-and-unpivot-dataframe/\)](https://sparkbyexamples.com/pyspark/pyspark-pivot-and-unpivot-dataframe/)

[PySpark – partitionBy\(\).  
\(https://sparkbyexamples.com/pyspark/pyspark-partitionby-example/\)](https://sparkbyexamples.com/pyspark/pyspark-partitionby-example/)

[PySpark – ArrayType Column \(Array\).  
\(https://sparkbyexamples.com/pyspark/pyspark-arraytype-column-with-examples/\)](https://sparkbyexamples.com/pyspark/pyspark-arraytype-column-with-examples/)

[PySpark – MapType \(Map/Dict\).  
\(https://sparkbyexamples.com/pyspark/pyspark-maptype-dict-examples/\)](https://sparkbyexamples.com/pyspark/pyspark-maptype-dict-examples/)

## PySpark SQL Functions

[PySpark – Aggregate Functions  
\(https://sparkbyexamples.com/pyspark/pyspark-aggregate-functions/\)](https://sparkbyexamples.com/pyspark/pyspark-aggregate-functions/)

[PySpark – Window Functions  
\(https://sparkbyexamples.com/pyspark/pyspark-window-functions/\)](https://sparkbyexamples.com/pyspark/pyspark-window-functions/)

[PySpark – Date and Timestamp Functions  
\(https://sparkbyexamples.com/pyspark/pyspark-sql-date-and-timestamp-functions/\)](https://sparkbyexamples.com/pyspark/pyspark-sql-date-and-timestamp-functions/)

[PySpark – JSON Functions  
\(https://sparkbyexamples.com/pyspark/pyspark-json-functions-with-examples/\)](https://sparkbyexamples.com/pyspark/pyspark-json-functions-with-examples/)

## PySpark Datasources

[PySpark – Read & Write CSV File  
\(https://sparkbyexamples.com/pyspark/pyspark-read-csv-file-into-dataframe/\)](https://sparkbyexamples.com/pyspark/pyspark-read-csv-file-into-dataframe/)

[PySpark – Read & Write Parquet File  
\(https://sparkbyexamples.com/pyspark/pyspark-read-write-parquet-file/\)](https://sparkbyexamples.com/pyspark/pyspark-read-write-parquet-file/)

This snippet creates a new column “CopiedColumn” by multiplying “salary” column with value -1.

## 4. Add a New Column using withColumn()

In order to create a new column, pass the column name you wanted to the first argument of withColumn() transformation function. Make sure this new column not already present on DataFrame, if it presents it updates the value of that column.

On below snippet, [PySpark lit\(\)](https://sparkbyexamples.com/pyspark/pyspark-lit-add-literal-constant/) function is used to add a constant value to a DataFrame column [\(https://sparkbyexamples.com/pyspark/pyspark-lit-add-literal-constant/\)](https://sparkbyexamples.com/pyspark/pyspark-lit-add-literal-constant/). We can also chain in order to add multiple columns.

```
df.withColumn("Country", lit("USA"))  
df.withColumn("Country", lit("USA"))  
  .withColumn("anotherColumn", lit(1))  
  .show()
```

## 5. Rename Column Name

Though you cannot rename a column using withColumn, still I wanted to cover this as renaming is one of the common operations we perform on DataFrame. To [rename an existing column use withColumnRenamed\(\)](https://sparkbyexamples.com/pyspark/pyspark-rename-dataframe-column/) [\(https://sparkbyexamples.com/pyspark/pyspark-rename-dataframe-column/\)](https://sparkbyexamples.com/pyspark/pyspark-rename-dataframe-column/) function on DataFrame.

[pyspark/pyspark-read-and-write-parquet-file/](#)

[PySpark – Read & Write JSON file](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-read-json-file-into-dataframe/>)

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PySpark Built-In Functions

[PySpark – when\(\)](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-when-otherwise/>)

[PySpark – expr\(\)](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-sql-expr-expression-function/>)

[PySpark – lit\(\)](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-lit-add-literal-constant/>)

[PySpark – split\(\)](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-convert-string-to-array-column/>)



```
F.withColumnRenamed("gender", "sex")\n    .show(truncate=False)
```

Drop Column From Spark DataFrame

“drop” function to [drop a specific column from the DataFrame](#)  
(<https://sparkbyexamples.com/pyspark/pyspark-drop-column-from-dataframe/>).

```
F.drop("salary") \n    .show()
```

**Note:** Note that all of these functions return a new DataFrame after applying the functions instead of modifying DataFrame.

7. PySpark withColumn() Complete Example

[PySpark – concat\\_ws\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-convert-array-column-to-string-column/\)](https://sparkbyexamples.com/pyspark/pyspark-convert-array-column-to-string-column/)

[Pyspark – substring\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-substring-from-a-column/\)](https://sparkbyexamples.com/pyspark/pyspark-substring-from-a-column/)

[PySpark – translate\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-replace-column-values/#translate-replace-character-by-character\)](https://sparkbyexamples.com/pyspark/pyspark-replace-column-values/#translate-replace-character-by-character)

[PySpark – regexp\\_replace\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-replace-column-values/#regexp\\_replace-replace-string-columns\)](https://sparkbyexamples.com/pyspark/pyspark-replace-column-values/#regexp_replace-replace-string-columns)

[PySpark – overlay\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-replace-column-values/#overlay-function\)](https://sparkbyexamples.com/pyspark/pyspark-replace-column-values/#overlay-function)

[PySpark – to\\_timestamp\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-to-timestamp-convert-string-to-timestamp-type/\)](https://sparkbyexamples.com/pyspark/pyspark-to-timestamp-convert-string-to-timestamp-type/)

[PySpark – to\\_date\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-to-date-convert-timestamp-to-date/\)](https://sparkbyexamples.com/pyspark/pyspark-to-date-convert-timestamp-to-date/)

[PySpark – date\\_format\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-date-format-convert-date-to-string-format/\)](https://sparkbyexamples.com/pyspark/pyspark-date-format-convert-date-to-string-format/)

[PySpark – datediff\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-difference-between-two-dates-days-months-years/#datediff\)](https://sparkbyexamples.com/pyspark/pyspark-difference-between-two-dates-days-months-years/#datediff)

[PySpark – months\\_between\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-difference-between-two-dates-days-months-years/#months\\_between\(\)\)](https://sparkbyexamples.com/pyspark/pyspark-difference-between-two-dates-days-months-years/#months_between())

[PySpark – explode\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-explode-nested-array-into-rows/\)](https://sparkbyexamples.com/pyspark/pyspark-explode-nested-array-into-rows/)

[PySpark – array\\_contains\(\)  
\(https://sparkbyexamples.com/pyspark/pyspark-arraytype-column-with-examples/#array\\_contains\)](https://sparkbyexamples.com/pyspark/pyspark-arraytype-column-with-examples/#array_contains)

```
import pyspark
from pyspark.sql import SparkSession
from pyspark.sql.functions import concat_ws, explode
from pyspark.sql.types import StringType

spark = SparkSession.builder.appName('PySpark withColumn').getOrCreate()

data = [('James', '', 'Smith', '1990-01-01'),
        ('Michael', 'Rose', '', '2000-05-01'),
        ('Robert', '', 'Williams', '1978-02-01'),
        ('Maria', 'Anne', 'Jones', '1967-03-01'),
        ('Jen', 'Mary', 'Brown', '1980-04-01')]

columns = ["firstname", "middlename", "lastname", "timestamp"]
df = spark.createDataFrame(data, columns)
df.printSchema()
df.show(truncate=False)

df2 = df.withColumn("salary", concat_ws('-', explode('timestamp')))
df2.printSchema()
df2.show(truncate=False)

df3 = df.withColumn("salary", concat_ws('-', explode('timestamp')))
df3.printSchema()
df3.show(truncate=False)

df4 = df.withColumn("CopiedColumn", explode('timestamp'))
df4.printSchema()

df5 = df.withColumn("Country", explode('timestamp'))
df5.printSchema()

df6 = df.withColumn("Country", explode('timestamp')).withColumn("anotherColumn", explode('timestamp'))
df6.printSchema()

df.withColumnRenamed("gender", "anotherColumn").show(truncate=False)

df4.drop("CopiedColumn") \
    .show(truncate=False)
```

The complete code can be downloaded from [PySpark withColumn GitHub project \(https://github.com/spark-examples/pyspark-examples/blob/master/pyspark-withcolumn.py\)](https://github.com/spark-examples/pyspark-examples/blob/master/pyspark-withcolumn.py)

Happy Learning !!

Share this:

[PySpark – array\(\)](https://sparkbyexamples.com/pyspark/pyspark-array-type-column-with-examples/#array)  
(<https://sparkbyexamples.com/pyspark/pyspark-array-type-column-with-examples/#array>)

[PySpark – collect\\_list\(\)](https://sparkbyexamples.com/pyspark/pyspark-aggregate-functions/#collect-list)  
(<https://sparkbyexamples.com/pyspark/pyspark-aggregate-functions/#collect-list>)

[PySpark – collect\\_set\(\)](https://sparkbyexamples.com/pyspark/pyspark-aggregate-functions/#collect-set)  
(<https://sparkbyexamples.com/pyspark/pyspark-aggregate-functions/#collect-set>)

[PySpark – create\\_map\(\)](https://sparkbyexamples.com/pyspark/pyspark-convert-dataframe-columns-to-maptype-dict/)  
(<https://sparkbyexamples.com/pyspark/pyspark-convert-dataframe-columns-to-maptype-dict/>)

[PySpark – map\\_keys\(\)](https://sparkbyexamples.com/pyspark/pyspark-maptype-dict-examples/#map_keys)  
([https://sparkbyexamples.com/pyspark/pyspark-maptype-dict-examples/#map\\_keys](https://sparkbyexamples.com/pyspark/pyspark-maptype-dict-examples/#map_keys))

[PySpark – map\\_values\(\)](https://sparkbyexamples.com/pyspark/pyspark-maptype-dict-examples/#map_values)  
([https://sparkbyexamples.com/pyspark/pyspark-maptype-dict-examples/#map\\_values](https://sparkbyexamples.com/pyspark/pyspark-maptype-dict-examples/#map_values))

[PySpark – struct\(\)](https://sparkbyexamples.com/pyspark/pyspark-structtype-and-structfield/#update-struct-function)  
(<https://sparkbyexamples.com/pyspark/pyspark-structtype-and-structfield/#update-struct-function>)

[PySpark – countDistinct\(\)](https://sparkbyexamples.com/pyspark/pyspark-count-distinct-from-dataframe/)  
(<https://sparkbyexamples.com/pyspark/pyspark-count-distinct-from-dataframe/>)

[PySpark – sum\(\).avg\(\)](https://sparkbyexamples.com/pyspark/pyspark-dataframe-groupby-and-sort-by-descending-order/)  
(<https://sparkbyexamples.com/pyspark/pyspark-dataframe-groupby-and-sort-by-descending-order/>)

[PySpark – row\\_number\(\)](https://sparkbyexamples.com/pyspark/pyspark-window-functions/#row_number)  
([https://sparkbyexamples.com/pyspark/pyspark-window-functions/#row\\_number](https://sparkbyexamples.com/pyspark/pyspark-window-functions/#row_number))

[PySpark – rank\(\)](https://sparkbyexamples.com/pyspark/pyspark-window-functions/#rank)  
(<https://sparkbyexamples.com/pyspark/pyspark-window-functions/#rank>)

[PySpark – dense\\_rank\(\)](https://sparkbyexamples.com/pyspark/pyspark-window-functions/#dense_rank)  
([https://sparkbyexamples.com/pyspark/pyspark-window-functions/#dense\\_rank](https://sparkbyexamples.com/pyspark/pyspark-window-functions/#dense_rank))

[PySpark – percent\\_rank\(\)](https://sparkbyexamples.com/pyspark/pyspark-window-functions/#percent_rank)  
([https://sparkbyexamples.com/pyspark/pyspark-window-functions/#percent\\_rank](https://sparkbyexamples.com/pyspark/pyspark-window-functions/#percent_rank))



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**[UMNRENAMED/](https://sparkbyexamples.com/tag/withcolumn/))**



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(<https://sparkbyexamples.com/about-sparkbyexamples/>)

#### ➤ THIS POST HAS 3 COMMENTS



**raghav**

21 DEC 2020 [REPLY](#)

Hi  
df2 =  
df.withColumn("salary",col("salary").cast("Integer"))  
df2.printSchema()  
I dont want to create a new dataframe if I am changing the datatype of existing dataframe.  
Is there a way I can change column datatype in existing dataframe without creating a new dataframe ?



---

[PySpark – typedLit\(\).  
\(https://sparkbyexamples.com/py-spark/pyspark-lit-add-literal-constant/#typedlit\)](https://sparkbyexamples.com/py-spark/pyspark-lit-add-literal-constant/#typedlit)

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[PySpark – from\\_json\(\).  
\(https://sparkbyexamples.com/py-spark/pyspark-json-functions-with-examples/#from\\_json\)](https://sparkbyexamples.com/py-spark/pyspark-json-functions-with-examples/#from_json)

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[PySpark – to\\_json\(\).  
\(https://sparkbyexamples.com/py-spark/pyspark-json-functions-with-examples/#to\\_json\)](https://sparkbyexamples.com/py-spark/pyspark-json-functions-with-examples/#to_json)

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[PySpark – json\\_tuple\(\).  
\(https://sparkbyexamples.com/py-spark/pyspark-json-functions-with-examples/#json\\_tuple\)](https://sparkbyexamples.com/py-spark/pyspark-json-functions-with-examples/#json_tuple)

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[PySpark – get\\_json\\_object\(\).  
\(https://sparkbyexamples.com/py-spark/pyspark-json-functions-with-examples/#get\\_json\\_object\)](https://sparkbyexamples.com/py-spark/pyspark-json-functions-with-examples/#get_json_object)

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[PySpark – schema\\_of\\_json\(\).  
\(https://sparkbyexamples.com/py-spark/pyspark-json-functions-with-examples/#schema\\_of\\_json\)](https://sparkbyexamples.com/py-spark/pyspark-json-functions-with-examples/#schema_of_json)

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**NNK** 25 DEC 2020 [REPLY](#)

DataFrames are immutable hence you cannot change anything directly on it. every operation on DataFrame results in a new DataFrame. If you want to change the DataFrame, I would recommend using the Schema at the time of creating the DataFrame.



**Anonymous**

16 SEP 2020 [REPLY](#)

Can you please explain Split column to multiple columns from Scala example into python

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**Leave a Reply**



Apache Hadoop  
(<https://sparkbyexamples.com/category/hadoop/>)

Apache Spark  
(<https://sparkbyexamples.com/category/spark/>)

Apache Spark Streaming  
(<https://sparkbyexamples.com/category/spark/apache-spark-streaming/>)

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(<https://sparkbyexamples.com/category/h2o-sparkling-water/>)

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(<https://sparkbyexamples.com/category/pyspark/>)

## Spark regexp\_replace() – Replace String Value

([https://sparkbyexamples.com/spark/spark-regexp\\_replace-replace-string-value/](https://sparkbyexamples.com/spark/spark-regexp_replace-replace-string-value/))

## How to Run a PySpark Script from Python?

(<https://sparkbyexamples.com/pyspark/run-pyspark-script-from-python-subprocess/>)

Spark SQL like() Using Wildcard  
Example  
(<https://sparkbyexamples.com/spark/spark-sql-like-using-wildcard-example/>)

## Spark isin() & IS NOT IN Operator Example

(<https://sparkbyexamples.com/spark/spark-isin-is-not-in-operator-example/>)

## Spark – Get Size/Length of Array & Map Column

(<https://sparkbyexamples.com/spark/spark-get-size-length-of-array-map-column/>)

## Spark Using Length/Size Of a DataFrame Column

(<https://sparkbyexamples.com/spark/spark-using-length-size-of-a-dataframe-column/>)

Spark rlike() Working with Regex  
Matching Examples  
(<https://sparkbyexamples.com/spark/spark-rlike-regex-matching-examples/>)

## Spark Check String Column Has Numeric Values

(<https://sparkbyexamples.com/spark/spark-check-string-column-has-numeric-values/>)

Spark Check Column Data Type is Integer or String  
(<https://sparkbyexamples.com/spark/spark-check-column-data-type-is-integer-or-string/>)

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