



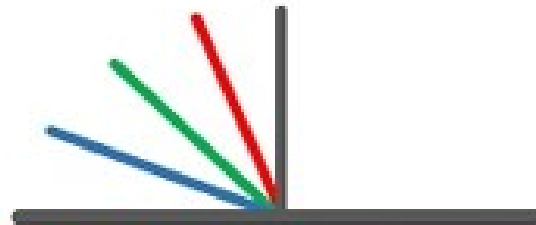
# Apache Spark

## Data Frame Columns

# Data Frame Column Transformations

1. String Expressions or SQL Expressions
2. Column Object Expressions

1. Dataset <https://spark.apache.org/docs/latest/api/scala/index.html#org.apache.spark.sql.Dataset>
2. Column <https://spark.apache.org/docs/latest/api/scala/index.html#org.apache.spark.sql.Column>
3. Built-in Functions [https://spark.apache.org/docs/latest/api/scala/index.html#org.apache.spark.sql.functions\\$](https://spark.apache.org/docs/latest/api/scala/index.html#org.apache.spark.sql.functions$)



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