

Python functions allowed in Native FGAC

API Allowlist

Functions are organized by their parent module.

PYSPARK-SQL

```
pyspark.sql.catalog.Catalog.cacheTable
pyspark.sql.catalog.Catalog.currentCatalog
pyspark.sql.catalog.Catalog.currentDatabase
pyspark.sql.catalog.Catalog.databaseExists
pyspark.sql.catalog.Catalog.dropGlobalTempView
pyspark.sql.catalog.Catalog.dropTempView
pyspark.sql.catalog.Catalog.functionExists
pyspark.sql.catalog.Catalog.getTable
pyspark.sql.catalog.Catalog.listCatalogs
pyspark.sql.catalog.Catalog.setCurrentCatalog
pyspark.sql.catalog.Catalog.setCurrentDatabase
pyspark.sql.catalog.Catalog.tableExists
pyspark.sql.column.Column
pyspark.sql.column.Column.alias
pyspark.sql.column.Column.asc
pyspark.sql.column.Column.asc_nulls_first
pyspark.sql.column.Column.asc_nulls_last
pyspark.sql.column.Column.between
pyspark.sql.column.Column.bitwiseAND
pyspark.sql.column.Column.bitwiseOR
pyspark.sql.column.Column.bitwiseXOR
pyspark.sql.column.Column.cast
pyspark.sql.column.Column.contains
pyspark.sql.column.Column.desc
pyspark.sql.column.Column.desc_nulls_first
pyspark.sql.column.Column.desc_nulls_last
pyspark.sql.column.Column.dropFields
pyspark.sql.column.Column.endswith
pyspark.sql.column.Column.eqNullSafe
pyspark.sql.column.Column.getField
pyspark.sql.column.Column.getItem
pyspark.sql.column.Column.ilike
pyspark.sql.column.Column.isin
pyspark.sql.column.Column.isNotNull
pyspark.sql.column.Column.isNull
pyspark.sql.column.Column.like
pyspark.sql.column.Column.otherwise
pyspark.sql.column.Column.over
pyspark.sql.column.Column.rlike
pyspark.sql.column.Column.startswith
pyspark.sql.column.Column.substr
pyspark.sql.column.Column.when
pyspark.sql.column.Column.withField
pyspark.sql.dataframe.DataFrame
pyspark.sql.dataframe.DataFrame.agg
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```
pyspark.sql.dataframe.DataFrame.alias
pyspark.sql.dataframe.DataFrame.cache
pyspark.sql.dataframe.DataFrame.collect
pyspark.sql.dataframe.DataFrame.colRegex
pyspark.sql.dataframe.DataFrame.columns
pyspark.sql.dataframe.DataFrame.corr
pyspark.sql.dataframe.DataFrame.count
pyspark.sql.dataframe.DataFrame.cov
pyspark.sql.dataframe.DataFrame.createGlobalTempView
pyspark.sql.dataframe.DataFrame.createOrReplaceGlobalTempView
pyspark.sql.dataframe.DataFrame.createOrReplaceTempView
pyspark.sql.dataframe.DataFrame.createTempView
pyspark.sql.dataframe.DataFrame.crossJoin
pyspark.sql.dataframe.DataFrame.crosstab
pyspark.sql.dataframe.DataFrame.cube
pyspark.sql.dataframe.DataFrame.describe
pyspark.sql.dataframe.DataFrame.distinct
pyspark.sql.dataframe.DataFrame.drop
pyspark.sql.dataframe.DataFrame.dropDuplicates
pyspark.sql.dataframe.DataFrame.dropDuplicatesWithinWatermark
pyspark.sql.dataframe.DataFrame.dropna
pyspark.sql.dataframe.DataFrame.dtypes
pyspark.sql.dataframe.DataFrame.exceptAll
pyspark.sql.dataframe.DataFrame.explain
pyspark.sql.dataframe.DataFrame.fillna
pyspark.sql.dataframe.DataFrame.filter
pyspark.sql.dataframe.DataFrame.first
pyspark.sql.dataframe.DataFrame.freqItems
pyspark.sql.dataframe.DataFrame.groupBy
pyspark.sql.dataframe.DataFrame.head
pyspark.sql.dataframe.DataFrame.hint
pyspark.sql.dataframe.DataFrame.intersect
pyspark.sql.dataframe.DataFrame.intersectAll
pyspark.sql.dataframe.DataFrame.isEmpty
pyspark.sql.dataframe.DataFrame.isLocal
pyspark.sql.dataframe.DataFrame.isStreaming
pyspark.sql.dataframe.DataFrame.join
pyspark.sql.dataframe.DataFrame.limit
pyspark.sql.dataframe.DataFrame.na
pyspark.sql.dataframe.DataFrame.offset
pyspark.sql.dataframe.DataFrame.pandas_api
pyspark.sql.dataframe.DataFrame.persist
pyspark.sql.dataframe.DataFrame.printSchema
pyspark.sql.dataframe.DataFrame.randomSplit
pyspark.sql.dataframe.DataFrame.registerTempTable
pyspark.sql.dataframe.DataFrame.replace
pyspark.sql.dataframe.DataFrame.rollup
pyspark.sql.dataframe.DataFrame.sameSemantics
pyspark.sql.dataframe.DataFrame.sample
pyspark.sql.dataframe.DataFrame.sampleBy
pyspark.sql.dataframe.DataFrame.schema
pyspark.sql.dataframe.DataFrame.select
pyspark.sql.dataframe.DataFrame.selectExpr
pyspark.sql.dataframe.DataFrame.show
pyspark.sql.dataframe.DataFrame.sort
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pyspark.sql.dataframe.DataFrame.sortWithinPartitions
pyspark.sql.dataframe.DataFrame.sparkSession
pyspark.sql.dataframe.DataFrame.stat
pyspark.sql.dataframe.DataFrame.subtract
pyspark.sql.dataframe.DataFrame.summary
pyspark.sql.dataframe.DataFrame.tail
pyspark.sql.dataframe.DataFrame.take
pyspark.sql.dataframe.DataFrame.to
pyspark.sql.dataframe.DataFrame.toDF
pyspark.sql.dataframe.DataFrame.transform
pyspark.sql.dataframe.DataFrame.union
pyspark.sql.dataframe.DataFrame.unionByName
pyspark.sql.dataframe.DataFrame.unpersist
pyspark.sql.dataframe.DataFrame.unpivot
pyspark.sql.dataframe.DataFrame.withColumn
pyspark.sql.dataframe.DataFrame.withColumnRenamed
pyspark.sql.dataframe.DataFrame.withColumns
pyspark.sql.dataframe.DataFrame.withColumnsRenamed
pyspark.sql.dataframe.DataFrame.withMetadata
pyspark.sql.dataframe.DataFrame.withWatermark
pyspark.sql.dataframe.DataFrame.writeTo
pyspark.sql.dataframe.DataFrameNaFunctions.drop
pyspark.sql.dataframe.DataFrameNaFunctions.fill
pyspark.sql.dataframe.DataFrameNaFunctions.replace
pyspark.sql.dataframe.DataFrameStatFunctions.corr
pyspark.sql.dataframe.DataFrameStatFunctions.cov
pyspark.sql.dataframe.DataFrameStatFunctions.crosstab
pyspark.sql.dataframe.DataFrameStatFunctions.freqItems
pyspark.sql.dataframe.DataFrameStatFunctions.sampleBy
pyspark.sql.functions.abs
pyspark.sql.functions.acos
pyspark.sql.functions.acosh
pyspark.sql.functions.add_months
pyspark.sql.functions.aes_decrypt
pyspark.sql.functions.aes_encrypt
pyspark.sql.functions.aggregate
pyspark.sql.functions.any_value
pyspark.sql.functions.approx_count_distinct
pyspark.sql.functions.approx_percentile
pyspark.sql.functions.array
pyspark.sql.functions.array_agg
pyspark.sql.functions.array_append
pyspark.sql.functions.array_compact
pyspark.sql.functions.array_contains
pyspark.sql.functions.array_distinct
pyspark.sql.functions.array_except
pyspark.sql.functions.array_insert
pyspark.sql.functions.array_intersect
pyspark.sql.functions.array_join
pyspark.sql.functions.array_max
pyspark.sql.functions.array_min
pyspark.sql.functions.array_position
pyspark.sql.functions.array_prepend
pyspark.sql.functions.array_remove
pyspark.sql.functions.array_repeat
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pyspark.sql.functions.array_size
pyspark.sql.functions.array_sort
pyspark.sql.functions.array_union
pyspark.sql.functions.arrays_overlap
pyspark.sql.functions.arrays_zip
pyspark.sql.functions.asc
pyspark.sql.functions.asc_nulls_first
pyspark.sql.functions.asc_nulls_last
pyspark.sql.functions.ascii
pyspark.sql.functions.asin
pyspark.sql.functions.asinh
pyspark.sql.functions.assert_true
pyspark.sql.functions.atan
pyspark.sql.functions.atan2
pyspark.sql.functions.atanh
pyspark.sql.functions.avg
pyspark.sql.functions.base64
pyspark.sql.functions.bin
pyspark.sql.functions.bit_and
pyspark.sql.functions.bit_count
pyspark.sql.functions.bit_get
pyspark.sql.functions.bit_length
pyspark.sql.functions.bit_or
pyspark.sql.functions.bit_xor
pyspark.sql.functions.bitmap_bit_position
pyspark.sql.functions.bitmap_bucket_number
pyspark.sql.functions.bitmap_construct_agg
pyspark.sql.functions.bitmap_count
pyspark.sql.functions.bitmap_or_agg
pyspark.sql.functions.bitwise_not
pyspark.sql.functions.bool_and
pyspark.sql.functions.bool_or
pyspark.sql.functions.broadcast
pyspark.sql.functions.bround
pyspark.sql.functions.btrim
pyspark.sql.functions.call_function
pyspark.sql.functions.call_udf
pyspark.sql.functions.cardinality
pyspark.sql.functions.cbrt
pyspark.sql.functions.ceil
pyspark.sql.functions.ceiling
pyspark.sql.functions.char
pyspark.sql.functions.char_length
pyspark.sql.functions.character_length
pyspark.sql.functions.coalesce
pyspark.sql.functions.col
pyspark.sql.functions.collect_list
pyspark.sql.functions.collect_set
pyspark.sql.functions.concat
pyspark.sql.functions.concat_ws
pyspark.sql.functions.contains
pyspark.sql.functions.conv
pyspark.sql.functions.convert_timezone
pyspark.sql.functions.corr
pyspark.sql.functions.cos
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pyspark.sql.functions.cosh
pyspark.sql.functions.cot
pyspark.sql.functions.count
pyspark.sql.functions.count_distinct
pyspark.sql.functions.count_if
pyspark.sql.functions.count_min_sketch
pyspark.sql.functions.covar_pop
pyspark.sql.functions.covar_samp
pyspark.sql.functions.crc32
pyspark.sql.functions.create_map
pyspark.sql.functions.csc
pyspark.sql.functions.cume_dist
pyspark.sql.functions.curdate
pyspark.sql.functions.current_catalog
pyspark.sql.functions.current_date
pyspark.sql.functions.current_schema
pyspark.sql.functions.current_timestamp
pyspark.sql.functions.current_timezone
pyspark.sql.functions.date_add
pyspark.sql.functions.date_diff
pyspark.sql.functions.date_format
pyspark.sql.functions.date_from_unix_date
pyspark.sql.functions.date_part
pyspark.sql.functions.date_sub
pyspark.sql.functions.date_trunc
pyspark.sql.functions.dateadd
pyspark.sql.functions.datediff
pyspark.sql.functions.datepart
pyspark.sql.functions.day
pyspark.sql.functions.dayofmonth
pyspark.sql.functions.dayofweek
pyspark.sql.functions.dayofyear
pyspark.sql.functions.decode
pyspark.sql.functions.degrees
pyspark.sql.functions.dense_rank
pyspark.sql.functions.desc
pyspark.sql.functions.desc_nulls_first
pyspark.sql.functions.desc_nulls_last
pyspark.sql.functions.e
pyspark.sql.functions.element_at
pyspark.sql.functions.elo
pyspark.sql.functions.encode
pyspark.sql.functions.endswith
pyspark.sql.functions.equal_null
pyspark.sql.functions.every
pyspark.sql.functions.exists
pyspark.sql.functions.exp
pyspark.sql.functions.explode
pyspark.sql.functions.explode_outer
pyspark.sql.functions.expm1
pyspark.sql.functions.expr
pyspark.sql.functions.extract
pyspark.sql.functions.factorial
pyspark.sql.functions.filter
pyspark.sql.functions.find_in_set
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pyspark.sql.functions.first
pyspark.sql.functions.first_value
pyspark.sql.functions.flatten
pyspark.sql.functions.floor
pyspark.sql.functions.forall
pyspark.sql.functions.format_number
pyspark.sql.functions.format_string
pyspark.sql.functions.from_csv
pyspark.sql.functions.from_json
pyspark.sql.functions.from_unixtime
pyspark.sql.functions.from_utc_timestamp
pyspark.sql.functions.get
pyspark.sql.functions.get_json_object
pyspark.sql.functions.getbit
pyspark.sql.functions.greatest
pyspark.sql.functions.grouping
pyspark.sql.functions.grouping_id
pyspark.sql.functions.hash
pyspark.sql.functions.hex
pyspark.sql.functions.histogram_numeric
pyspark.sql.functions.hll_sketch_agg
pyspark.sql.functions.hll_sketch_estimate
pyspark.sql.functions.hll_union
pyspark.sql.functions.hll_union_agg
pyspark.sql.functions.hour
pyspark.sql.functions.hypot
pyspark.sql.functions.ifnull
pyspark.sql.functions.ilike
pyspark.sql.functions.initcap
pyspark.sql.functions.inline
pyspark.sql.functions.inline_outer
pyspark.sql.functions.input_file_name
pyspark.sql.functions.instr
pyspark.sql.functions.isnan
pyspark.sql.functions.isnotnull
pyspark.sql.functions.isnull
pyspark.sql.functions.java_method
pyspark.sql.functions.json_array_length
pyspark.sql.functions.json_object_keys
pyspark.sql.functions.json_tuple
pyspark.sql.functions.kurtosis
pyspark.sql.functions.lag
pyspark.sql.functions.last
pyspark.sql.functions.last_day
pyspark.sql.functions.last_value
pyspark.sql.functions.lcase
pyspark.sql.functions.lead
pyspark.sql.functions.least
pyspark.sql.functions.left
pyspark.sql.functions.length
pyspark.sql.functions levenshtein
pyspark.sql.functions.like
pyspark.sql.functions.lit
pyspark.sql.functions.ln
pyspark.sql.functions.localtime
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pyspark.sql.functions.locate
pyspark.sql.functions.log
pyspark.sql.functions.log10
pyspark.sql.functions.log1p
pyspark.sql.functions.log2
pyspark.sql.functions.lower
pyspark.sql.functions.lpad
pyspark.sql.functions.ltrim
pyspark.sql.functions.make_date
pyspark.sql.functions.make_dt_interval
pyspark.sql.functions.make_interval
pyspark.sql.functions.make_timestamp
pyspark.sql.functions.make_timestamp_ltz
pyspark.sql.functions.make_timestamp_ntz
pyspark.sql.functions.make_ym_interval
pyspark.sql.functions.map_concat
pyspark.sql.functions.map_contains_key
pyspark.sql.functions.map_entries
pyspark.sql.functions.map_filter
pyspark.sql.functions.map_from_arrays
pyspark.sql.functions.map_from_entries
pyspark.sql.functions.map_keys
pyspark.sql.functions.map_values
pyspark.sql.functions.map_zip_with
pyspark.sql.functions.mask
pyspark.sql.functions.max
pyspark.sql.functions.max_by
pyspark.sql.functions.md5
pyspark.sql.functions.mean
pyspark.sql.functions.median
pyspark.sql.functions.min
pyspark.sql.functions.min_by
pyspark.sql.functions.minute
pyspark.sql.functions.mode
pyspark.sql.functions.monotonically_increasing_id
pyspark.sql.functions.month
pyspark.sql.functions.months_between
pyspark.sql.functions.named_struct
pyspark.sql.functions.nanvl
pyspark.sql.functions.negative
pyspark.sql.functions.next_day
pyspark.sql.functions.now
pyspark.sql.functions.nth_value
pyspark.sql.functions.ntile
pyspark.sql.functions.nullif
pyspark.sql.functions.nvl
pyspark.sql.functions.nvl2
pyspark.sql.functions.octet_length
pyspark.sql.functions.overlay
pyspark.sql.functions.parse_url
pyspark.sql.functions.percent_rank
pyspark.sql.functions.percentile
pyspark.sql.functions.percentile_approx
pyspark.sql.functions.pi
pyspark.sql.functions.pmod
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pyspark.sql.functions.posexplode
pyspark.sql.functions.posexplode_outer
pyspark.sql.functions.position
pyspark.sql.functions.positive
pyspark.sql.functions.pow
pyspark.sql.functions.printf
pyspark.sql.functions.product
pyspark.sql.functions.quarter
pyspark.sql.functions.radians
pyspark.sql.functions.raise_error
pyspark.sql.functions.rand
pyspark.sql.functions.randn
pyspark.sql.functions.rank
pyspark.sql.functions.reduce
pyspark.sql.functions.reflect
pyspark.sql.functions.regexp
pyspark.sql.functions.regexp_count
pyspark.sql.functions.regexp_extract
pyspark.sql.functions.regexp_extract_all
pyspark.sql.functions.regexp_instr
pyspark.sql.functions.regexp_like
pyspark.sql.functions.regexp_replace
pyspark.sql.functions.regexp_substr
pyspark.sql.functions.regr_avgx
pyspark.sql.functions.regr_avgy
pyspark.sql.functions.regr_count
pyspark.sql.functions.regr_intercept
pyspark.sql.functions.regr_r2
pyspark.sql.functions.regr_slope
pyspark.sql.functions.regr_sxx
pyspark.sql.functions.regr_syy
pyspark.sql.functions.repeat
pyspark.sql.functions.replace
pyspark.sql.functions.reverse
pyspark.sql.functions.right
pyspark.sql.functions rint
pyspark.sql.functions.rlike
pyspark.sql.functions.round
pyspark.sql.functions.row_number
pyspark.sql.functions.rpad
pyspark.sql.functions.rtrim
pyspark.sql.functions.schema_of_csv
pyspark.sql.functions.schema_of_json
pyspark.sql.functions.sec
pyspark.sql.functions.second
pyspark.sql.functions.sentences
pyspark.sql.functions.sequence
pyspark.sql.functions.session_window
pyspark.sql.functions.sha
pyspark.sql.functions.sha1
pyspark.sql.functions.sha2
pyspark.sql.functions.shiftright
pyspark.sql.functions.shiftrightunsigned
pyspark.sql.functions.shuffle
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pyspark.sql.functions.sign
pyspark.sql.functions.signum
pyspark.sql.functions.sin
pyspark.sql.functions.sinh
pyspark.sql.functions.size
pyspark.sql.functions.skewness
pyspark.sql.functions.slice
pyspark.sql.functions.some
pyspark.sql.functions.sort_array
pyspark.sql.functions.soundex
pyspark.sql.functions.spark_partition_id
pyspark.sql.functions.split
pyspark.sql.functions.split_part
pyspark.sql.functions.sqrt
pyspark.sql.functions.stack
pyspark.sql.functions.startswith
pyspark.sql.functions.std
pyspark.sql.functions.stddev
pyspark.sql.functions.stddev_pop
pyspark.sql.functions.stddev_samp
pyspark.sql.functions.str_to_map
pyspark.sql.functions.struct
pyspark.sql.functions.substr
pyspark.sql.functions.substring
pyspark.sql.functions.substring_index
pyspark.sql.functions.sum
pyspark.sql.functions.sum_distinct
pyspark.sql.functions.tan
pyspark.sql.functions.tanh
pyspark.sql.functions.timestamp_micros
pyspark.sql.functions.timestamp_millis
pyspark.sql.functions.timestamp_seconds
pyspark.sql.functions.to_binary
pyspark.sql.functions.to_char
pyspark.sql.functions.to_csv
pyspark.sql.functions.to_date
pyspark.sql.functions.to_json
pyspark.sql.functions.to_number
pyspark.sql.functions.to_timestamp
pyspark.sql.functions.to_timestamp_ltz
pyspark.sql.functions.to_timestamp_ntz
pyspark.sql.functions.to_unix_timestamp
pyspark.sql.functions.to_utc_timestamp
pyspark.sql.functions.to_varchar
pyspark.sql.functions.transform
pyspark.sql.functions.transform_keys
pyspark.sql.functions.transform_values
pyspark.sql.functions.translate
pyspark.sql.functions.trim
pyspark.sql.functions.trunc
pyspark.sql.functions.try_add
pyspark.sql.functions.try_aes_decrypt
pyspark.sql.functions.try_avg
pyspark.sql.functions.try_divide
pyspark.sql.functions.try_element_at
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pyspark.sql.functions.try_multiply
pyspark.sql.functions.try_subtract
pyspark.sql.functions.try_sum
pyspark.sql.functions.try_to_binary
pyspark.sql.functions.try_to_number
pyspark.sql.functions.try_to_timestamp
pyspark.sql.functions.typeof
pyspark.sql.functions.ucase
pyspark.sql.functions.udf
pyspark.sql.functions.udtf
pyspark.sql.functions.unbase64
pyspark.sql.functions.unhex
pyspark.sql.functions.unix_date
pyspark.sql.functions.unix_micros
pyspark.sql.functions.unix_millis
pyspark.sql.functions.unix_seconds
pyspark.sql.functions.unix_timestamp
pyspark.sql.functions.upper
pyspark.sql.functions.url_decode
pyspark.sql.functions.url_encode
pyspark.sql.functions.user
pyspark.sql.functions.var_pop
pyspark.sql.functions.var_samp
pyspark.sql.functions.variance
pyspark.sql.functions.version
pyspark.sql.functions.weekday
pyspark.sql.functions.weekofyear
pyspark.sql.functions.when
pyspark.sql.functions.width_bucket
pyspark.sql.functions.window
pyspark.sql.functions.window_time
pyspark.sql.functions.xpath
pyspark.sql.functions.xpath_boolean
pyspark.sql.functions.xpath_double
pyspark.sql.functions.xpath_float
pyspark.sql.functions.xpath_int
pyspark.sql.functions.xpath_long
pyspark.sql.functions.xpath_number
pyspark.sql.functions.xpath_short
pyspark.sql.functions.xpath_string
pyspark.sql.functions.xxhash64
pyspark.sql.functions.year
pyspark.sql.functions.zip_with
pyspark.sql.group.GroupedData.agg
pyspark.sql.group.GroupedData.avg
pyspark.sql.group.GroupedData.count
pyspark.sql.group.GroupedData.max
pyspark.sql.group.GroupedData.min
pyspark.sql.group.GroupedData.pivot
pyspark.sql.group.GroupedData.sum
pyspark.sql.pandas.group_ops.PandasCogroupedOps.applyInPandas
pyspark.sql.pandas.group_ops.PandasGroupedOpsMixin.apply
pyspark.sql.pandas.group_ops.PandasGroupedOpsMixin.applyInPandas
pyspark.sql.pandas.group_ops.PandasGroupedOpsMixin.applyInPandasWithState
pyspark.sql.pandas.map_ops.PandasMapOpsMixin.mapInArrow
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pyspark.sql.pandas.map_ops.PandasMapOpsMixin.mapInPandas
pyspark.sql.readwriter.DataFrameReader.csv
pyspark.sql.readwriter.DataFrameReader.format
pyspark.sql.readwriter.DataFrameReader.json
pyspark.sql.readwriter.DataFrameReader.load
pyspark.sql.readwriter.DataFrameReader.options
pyspark.sql.readwriter.DataFrameReader.orc
pyspark.sql.readwriter.DataFrameReader.parquet
pyspark.sql.readwriter.DataFrameReader.schema
pyspark.sql.readwriter.DataFrameReader.table
pyspark.sql.readwriter.DataFrameReader.text
pyspark.sql.readwriter.DataFrameWriter.csv
pyspark.sql.readwriter.DataFrameWriter.format
pyspark.sql.readwriter.DataFrameWriter.json
pyspark.sql.readwriter.DataFrameWriter.mode
pyspark.sql.readwriter.DataFrameWriter.option
pyspark.sql.readwriter.DataFrameWriter.options
pyspark.sql.readwriter.DataFrameWriter.orc
pyspark.sql.readwriter.DataFrameWriter.parquet
pyspark.sql.readwriter.DataFrameWriter.partitionBy
pyspark.sql.readwriter.DataFrameWriter.save
pyspark.sql.readwriter.DataFrameWriter.text
pyspark.sql.Row
pyspark.sql.Row.asDict
pyspark.sql.session.classproperty
pyspark.sql.session.SparkSession
pyspark.sql.session.SparkSession.Builder.appName
pyspark.sql.session.SparkSession.Builder.config
pyspark.sql.session.SparkSession.Builder.enableHiveSupport
pyspark.sql.session.SparkSession.Builder.getOrCreate
pyspark.sql.session.SparkSession.Builder.master
pyspark.sql.session.SparkSession.conf
pyspark.sql.session.SparkSession.createDataFrame
pyspark.sql.session.SparkSession.getActiveSession
pyspark.sql.session.SparkSession.newSession
pyspark.sql.session.SparkSession.range
pyspark.sql.session.SparkSession.read
pyspark.sql.session.SparkSession.readStream
pyspark.sql.session.SparkSession.sql
pyspark.sql.session.SparkSession.table
pyspark.sql.session.SparkSession.udf
pyspark.sql.session.SparkSession.version
pyspark.sql.streaming.listener.StreamingQueryListener
pyspark.sql.streaming.query.StreamingQueryManager.addListener
pyspark.sql.streaming.query.StreamingQueryManager.removeListener
pyspark.sql.streaming.query.StreamingQueryManager.resetTerminated
pyspark.sql.streaming.readwriter.DataStreamReader
pyspark.sql.streaming.readwriter.DataStreamReader.csv
pyspark.sql.streaming.readwriter.DataStreamReader.format
pyspark.sql.streaming.readwriter.DataStreamReader.json
pyspark.sql.streaming.readwriter.DataStreamReader.load
pyspark.sql.streaming.readwriter.DataStreamReader.option
pyspark.sql.streaming.readwriter.DataStreamReader.options
pyspark.sql.streaming.readwriter.DataStreamReader.orc
pyspark.sql.streaming.readwriter.DataStreamReader.parquet
```

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pyspark.sql.streaming.readwriter.DataStreamReader.schema
pyspark.sql.streaming.readwriter.DataStreamReader.text
pyspark.sql.streaming.readwriter.DataStreamWriter
pyspark.sql.streaming.readwriter.DataStreamWriter.foreach
pyspark.sql.streaming.readwriter.DataStreamWriter.foreachBatch
pyspark.sql.streaming.readwriter.DataStreamWriter.format
pyspark.sql.streaming.readwriter.DataStreamWriter.option
pyspark.sql.streaming.readwriter.DataStreamWriter.options
pyspark.sql.streaming.readwriter.DataStreamWriter.outputMode
pyspark.sql.streaming.readwriter.DataStreamWriter.partitionBy
pyspark.sql.streaming.readwriter.DataStreamWriter.queryName
pyspark.sql.streaming.readwriter.DataStreamWriter.trigger
pyspark.sql.types.ArrayType
pyspark.sql.types.MapType
pyspark.sql.types.StructField
pyspark.sql.types.StructType
pyspark.sql.types.StructType.add
pyspark.sql.types.StructType.fieldNames
pyspark.sql.types.StructType.fromJson
pyspark.sql.udf.UDFRegistration.register
pyspark.sql.udf.UDFRegistration.registerJavaFunction
pyspark.sql.udf.UDFRegistration.registerJavaUDAF
pyspark.sql.udtf.UDTFRegistration.register
pyspark.sql.window.Window
pyspark.sql.window.Window.orderBy
pyspark.sql.window.Window.partitionBy
pyspark.sql.window.Window.rangeBetween
pyspark.sql.window.Window.rowsBetween
```

PYSPARK-CORE

```
pyspark.broadcast.Broadcast.destroy
pyspark.broadcast.Broadcast.dump
pyspark.broadcast.Broadcast.load
pyspark.broadcast.Broadcast.load_from_path
pyspark.broadcast.Broadcast.unpersist
pyspark.SparkConf
pyspark.SparkContext
pyspark.SparkContext.addJobTag
pyspark.SparkContext.applicationId
pyspark.SparkContext.clearJobTags
pyspark.SparkContext.defaultMinPartitions
pyspark.SparkContext.defaultParallelism
pyspark.SparkContext.getJobTags
pyspark.SparkContext.getOrCreate
pyspark.SparkContext.removeJobTag
pyspark.SparkContext.setJobGroup
pyspark.SparkContext.setLogLevel
pyspark.SparkContext.startTime
pyspark.SparkContext.uiWebUrl
pyspark.SparkContext.version
pyspark.SparkFiles.getRootDirectory
pyspark.util.inheritable_thread_target
pyspark.util.try_simplify_traceback
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```
pyspark.util.VersionUtils.majorMinorVersion
```

PYSPARK-RESOURCE

```
pyspark.resource.ResourceProfile
```

PYSPARK-MLLIB

```
pyspark.mllib.feature.HashingTF  
pyspark.mllib.linalg.DenseMatrix.toArray  
pyspark.mllib.linalg.DenseVector  
pyspark.mllib.linalg.DenseVector.dot  
pyspark.mllib.linalg.DenseVector.norm  
pyspark.mllib.linalg.DenseVector.parse  
pyspark.mllib.linalg.DenseVector.squared_distance  
pyspark.mllib.linalg.SparseVector.dot  
pyspark.mllib.linalg.SparseVector.norm  
pyspark.mllib.linalg.SparseVector.parse  
pyspark.mllib.linalg.SparseVector.squared_distance  
pyspark.mllib.linalg.Vectors.dense  
pyspark.mllib.linalg.Vectors.parse  
pyspark.mllib.linalg.Vectors.sparse  
pyspark.mllib.linalg.Vectors.squared_distance  
pyspark.mllib.linalg.Vectors.stringify  
pyspark.mllib.recommendation.Rating  
pyspark.mllib.util.MLUtils.convertMatrixColumnsFromML  
pyspark.mllib.util.MLUtils.convertMatrixColumnsToML  
pyspark.mllib.util.MLUtils.convertVectorColumnsFromML  
pyspark.mllib.util.MLUtils.convertVectorColumnsToML
```

PYSPARK-ML

```
pyspark.ml.clustering.LDA.setDocConcentration  
pyspark.ml.clustering.LDA.setK  
pyspark.ml.clustering.LDA.setKeepLastCheckpoint  
pyspark.ml.clustering.LDA.setLearningDecay  
pyspark.ml.clustering.LDA.setLearningOffset  
pyspark.ml.clustering.LDA.setOptimizeDocConcentration  
pyspark.ml.clustering.LDA.setOptimizer  
pyspark.ml.clustering.LDA.setSubsamplingRate  
pyspark.ml.clustering.LDA.setTopicConcentration  
pyspark.ml.clustering.LDA.setTopicDistributionCol  
pyspark.ml.functions.array_to_vector  
pyspark.ml.functions.predict_batch_udf  
pyspark.ml.linalg.DenseMatrix.toArray  
pyspark.ml.linalg.DenseVector  
pyspark.ml.linalg.DenseVector.dot  
pyspark.ml.linalg.DenseVector.norm  
pyspark.ml.linalg.DenseVector.squared_distance  
pyspark.ml.linalg.SparseVector.dot  
pyspark.ml.linalg.SparseVector.norm  
pyspark.ml.linalg.SparseVector.squared_distance  
pyspark.ml.linalg.Vectors.dense  
pyspark.ml.linalg.Vectors.sparse
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pyspark.ml.linalg.Vectors.squared_distance
pyspark.ml.stat.MultivariateGaussian
pyspark.ml.tuning.ParamGridBuilder
```

PYSPARK-PANDAS

```
pyspark.pandas.accessors.PandasOnSparkFrameMethods.apply_batch
pyspark.pandas.accessors.PandasOnSparkFrameMethods.attach_id_column
pyspark.pandas.accessors.PandasOnSparkFrameMethods.transform_batch
pyspark.pandas.accessors.PandasOnSparkSeriesMethods.transform_batch
pyspark.pandas.base.IndexOpsMixin.all
pyspark.pandas.base.IndexOpsMixin.any
pyspark.pandas.base.IndexOpsMixin.astype
pyspark.pandas.base.IndexOpsMixin.dtype
pyspark.pandas.base.IndexOpsMixin.factorize
pyspark.pandas.base.IndexOpsMixin.hasnans
pyspark.pandas.base.IndexOpsMixin.is_monotonic
pyspark.pandas.base.IndexOpsMixin.is_monotonic_decreasing
pyspark.pandas.base.IndexOpsMixin.is_monotonic_increasing
pyspark.pandas.base.IndexOpsMixin.isin
pyspark.pandas.base.IndexOpsMixin.isnull
pyspark.pandas.base.IndexOpsMixin.ndim
pyspark.pandas.base.IndexOpsMixin.notnull
pyspark.pandas.base.IndexOpsMixin.nunique
pyspark.pandas.base.IndexOpsMixin.shift
pyspark.pandas.base.IndexOpsMixin.take
pyspark.pandas.base.IndexOpsMixin.value_counts
pyspark.pandas.categorical.CategoricalAccessor
pyspark.pandas.categorical.CategoricalAccessor.add_categories
pyspark.pandas.categorical.CategoricalAccessor.as_ordered
pyspark.pandas.categorical.CategoricalAccessor.as_unordered
pyspark.pandas.categorical.CategoricalAccessor.categories
pyspark.pandas.categorical.CategoricalAccessor.codes
pyspark.pandas.categorical.CategoricalAccessor.ordered
pyspark.pandas.categorical.CategoricalAccessor.remove_categories
pyspark.pandas.categorical.CategoricalAccessor.remove_unused_categories
pyspark.pandas.categorical.CategoricalAccessor.rename_categories
pyspark.pandas.categorical.CategoricalAccessor.reorder_categories
pyspark.pandas.categorical.CategoricalAccessor.set_categories
pyspark.pandas.config.Option
pyspark.pandas.config.option_context
pyspark.pandas.config.show_options
pyspark.pandas.datetimes.DatetimeMethods.ceil
pyspark.pandas.datetimes.DatetimeMethods.day_name
pyspark.pandas.datetimes.DatetimeMethods.dayofweek
pyspark.pandas.datetimes.DatetimeMethods.floor
pyspark.pandas.datetimes.DatetimeMethods.is_leap_year
pyspark.pandas.datetimes.DatetimeMethods.is_month_end
pyspark.pandas.datetimes.DatetimeMethods.is_month_start
pyspark.pandas.datetimes.DatetimeMethods.is_quarter_end
pyspark.pandas.datetimes.DatetimeMethods.is_quarter_start
pyspark.pandas.datetimes.DatetimeMethods.is_year_end
pyspark.pandas.datetimes.DatetimeMethods.is_year_start
pyspark.pandas.datetimes.DatetimeMethods.month_name
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pyspark.pandas.dates.DatetimeMethods.normalize
pyspark.pandas.dates.DatetimeMethods.round
pyspark.pandas.dates.DatetimeMethods.strftime
pyspark.pandas.dates.DatetimeMethods.weekday
pyspark.pandas.extensions.register_dataframe_accessor
pyspark.pandas.extensions.register_index_accessor
pyspark.pandas.extensions.register_series_accessor
pyspark.pandas.groupby.DataFrameGroupBy.describe
pyspark.pandas.groupby.GroupBy.aggregate
pyspark.pandas.groupby.GroupBy.all
pyspark.pandas.groupby.GroupBy.any
pyspark.pandas.groupby.GroupBy.apply
pyspark.pandas.groupby.GroupBy.bfill
pyspark.pandas.groupby.GroupBy.count
pyspark.pandas.groupby.GroupBy.cumcount
pyspark.pandas.groupby.GroupBy.cummax
pyspark.pandas.groupby.GroupBy.cummin
pyspark.pandas.groupby.GroupBy.cumprod
pyspark.pandas.groupby.GroupBy.cumsum
pyspark.pandas.groupby.GroupBy.diff
pyspark.pandas.groupby.GroupBy.ffill
pyspark.pandas.groupby.GroupBy.fillna
pyspark.pandas.groupby.GroupBy.filter
pyspark.pandas.groupby.GroupBy.first
pyspark.pandas.groupby.GroupBy.get_group
pyspark.pandas.groupby.GroupBy.head
pyspark.pandas.groupby.GroupBy.idxmax
pyspark.pandas.groupby.GroupBy.idxmin
pyspark.pandas.groupby.GroupBy.last
pyspark.pandas.groupby.GroupBy.mad
pyspark.pandas.groupby.GroupBy.max
pyspark.pandas.groupby.GroupBy.mean
pyspark.pandas.groupby.GroupBy.median
pyspark.pandas.groupby.GroupBy.min
pyspark.pandas.groupby.GroupBy.nth
pyspark.pandas.groupby.GroupBy.nunique
pyspark.pandas.groupby.GroupBy.prod
pyspark.pandas.groupby.GroupBy.quantile
pyspark.pandas.groupby.GroupBy.rank
pyspark.pandas.groupby.GroupBy.sem
pyspark.pandas.groupby.GroupBy.shift
pyspark.pandas.groupby.GroupBy.size
pyspark.pandas.groupby.GroupBy.skew
pyspark.pandas.groupby.GroupBy.std
pyspark.pandas.groupby.GroupBy.sum
pyspark.pandas.groupby.GroupBy.tail
pyspark.pandas.groupby.GroupBy.transform
pyspark.pandas.groupby.GroupBy.var
pyspark.pandas.groupby.is_multi_agg_with_relabel
pyspark.pandas.groupby.normalize_keyword_aggregation
pyspark.pandas.groupby.SeriesGroupBy.nlargest
pyspark.pandas.groupby.SeriesGroupBy.nsmallest
pyspark.pandas.groupby.SeriesGroupBy.size
pyspark.pandas.groupby.SeriesGroupBy.unique
pyspark.pandas.groupby.SeriesGroupBy.value_counts
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pyspark.pandas.indexes.base.Index
pyspark.pandas.indexes.base.Index.append
pyspark.pandas.indexes.base.Index.argmax
pyspark.pandas.indexes.base.Index.argmin
pyspark.pandas.indexes.base.Index.asi8
pyspark.pandas.indexes.base.Index.asof
pyspark.pandas.indexes.base.Index.copy
pyspark.pandas.indexes.base.Index.delete
pyspark.pandas.indexes.base.Index.difference
pyspark.pandas.indexes.base.Index.drop
pyspark.pandas.indexes.base.Index.drop_duplicates
pyspark.pandas.indexes.base.Index.droplevel
pyspark.pandas.indexes.base.Index.dropna
pyspark.pandas.indexes.base.Index.equals
pyspark.pandas.indexes.base.Index.fillna
pyspark.pandas.indexes.base.Index.get_level_values
pyspark.pandas.indexes.base.Index.has_duplicates
pyspark.pandas.indexes.base.Index.holds_integer
pyspark.pandas.indexes.base.Index.identical
pyspark.pandas.indexes.base.Index.inferred_type
pyspark.pandas.indexes.base.Index.insert
pyspark.pandas.indexes.base.Index.intersection
pyspark.pandas.indexes.base.Index.is_all_dates
pyspark.pandas.indexes.base.Index.is_boolean
pyspark.pandas.indexes.base.Index.is_categorical
pyspark.pandas.indexes.base.Index.is_floating
pyspark.pandas.indexes.base.Index.is_integer
pyspark.pandas.indexes.base.Index.is_interval
pyspark.pandas.indexes.base.Index.is_numeric
pyspark.pandas.indexes.base.Index.is_object
pyspark.pandas.indexes.base.Index.is_type_compatible
pyspark.pandas.indexes.base.Index.is_unique
pyspark.pandas.indexes.base.Index.item
pyspark.pandas.indexes.base.Index.map
pyspark.pandas.indexes.base.Index.max
pyspark.pandas.indexes.base.Index.min
pyspark.pandas.indexes.base.Index.nlevels
pyspark.pandas.indexes.base.Index.rename
pyspark.pandas.indexes.base.Index.repeat
pyspark.pandas.indexes.base.Index.set_names
pyspark.pandas.indexes.base.Index.shape
pyspark.pandas.indexes.base.Index.size
pyspark.pandas.indexes.base.Index.sort_values
pyspark.pandas.indexes.base.Index.symmetric_difference
pyspark.pandas.indexes.base.Index.T
pyspark.pandas.indexes.base.Index.to_frame
pyspark.pandas.indexes.base.Index.to_list
pyspark.pandas.indexes.base.Index.to_numpy
pyspark.pandas.indexes.base.Index.to_pandas
pyspark.pandas.indexes.base.Index.to_series
pyspark.pandas.indexes.base.Index.transpose
pyspark.pandas.indexes.base.Index.union
pyspark.pandas.indexes.base.Index.unique
pyspark.pandas.indexes.base.Index.values
pyspark.pandas.indexes.category.CategoricalIndex
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pyspark.pandas.indexes.category.CategoricalIndex.add_categories
pyspark.pandas.indexes.category.CategoricalIndex.as_ordered
pyspark.pandas.indexes.category.CategoricalIndex.as_unordered
pyspark.pandas.indexes.category.CategoricalIndex.categories
pyspark.pandas.indexes.category.CategoricalIndex.codes
pyspark.pandas.indexes.category.CategoricalIndex.map
pyspark.pandas.indexes.category.CategoricalIndex.ordered
pyspark.pandas.indexes.category.CategoricalIndex.remove_categories
pyspark.pandas.indexes.category.CategoricalIndex.remove_unused_categories
pyspark.pandas.indexes.category.CategoricalIndex.rename_categories
pyspark.pandas.indexes.category.CategoricalIndex.reorder_categories
pyspark.pandas.indexes.category.CategoricalIndex.set_categories
pyspark.pandas.indexes.dates.DatetimeIndex
pyspark.pandas.indexes.multi.MultiIndex.copy
pyspark.pandas.indexes.multi.MultiIndex.drop
pyspark.pandas.indexes.multi.MultiIndex.drop_duplicates
pyspark.pandas.indexes.multi.MultiIndex.dtypes
pyspark.pandas.indexes.multi.MultiIndex.equal_levels
pyspark.pandas.indexes.multi.MultiIndex.from_arrays
pyspark.pandas.indexes.multi.MultiIndex.from_frame
pyspark.pandas.indexes.multi.MultiIndex.from_product
pyspark.pandas.indexes.multi.MultiIndex.from_tuples
pyspark.pandas.indexes.multi.MultiIndex.get_level_values
pyspark.pandas.indexes.multi.MultiIndex.insert
pyspark.pandas.indexes.multi.MultiIndex.intersection
pyspark.pandas.indexes.multi.MultiIndex.is_all_dates
pyspark.pandas.indexes.multi.MultiIndex.item
pyspark.pandas.indexes.multi.MultiIndex.levshape
pyspark.pandas.indexes.multi.MultiIndex.swaplevel
pyspark.pandas.indexes.multi.MultiIndex.symmetric_difference
pyspark.pandas.indexes.multi.MultiIndex.to_frame
pyspark.pandas.indexes.multi.MultiIndex.to_pandas
pyspark.pandas.indexes.numeric.Float64Index
pyspark.pandas.indexes.numeric.Int64Index
pyspark.pandas.indexing.AtIndexer
pyspark.pandas.indexing.iAtIndexer
pyspark.pandas.indexing.iLocIndexer
pyspark.pandas.indexing.LocIndexer
pyspark.pandas.internal.InternalFrame
pyspark.pandas.internal.InternalFrame.attach_default_index
pyspark.pandas.internal.InternalFrame.attach_distributed_sequence_column
pyspark.pandas.internal.InternalFrame.prepare_pandas_frame
pyspark.pandas.internal.InternalFrame.restore_index
pyspark.pandas.namespace.broadcast
pyspark.pandas.namespace.concat
pyspark.pandas.namespace.get_dummies
pyspark.pandas.namespace.isna
pyspark.pandas.namespace.melt
pyspark.pandas.namespace.merge
pyspark.pandas.namespace.merge_asof
pyspark.pandas.namespace.notna
pyspark.pandas.namespace.range
pyspark.pandas.namespace.read_json
pyspark.pandas.namespace.read_orc
pyspark.pandas.namespace.read_parquet
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pyspark.pandas.namespace.read_spark_io
pyspark.pandas.namespace.read_table
pyspark.pandas.namespace.timedelta_range
pyspark.pandas.namespace.to_datetime
pyspark.pandas.namespace.to_numeric
pyspark.pandas.namespace.to_timedelta
pyspark.pandas.spark.accessors.CachedSparkFrameMethods.unpersist
pyspark.pandas.spark.accessors.SparkFrameMethods.analyzed
pyspark.pandas.spark.accessors.SparkFrameMethods.apply
pyspark.pandas.spark.accessors.SparkFrameMethods.cache
pyspark.pandas.spark.accessors.SparkFrameMethods.checkpoint
pyspark.pandas.spark.accessors.SparkFrameMethods.explain
pyspark.pandas.spark.accessors.SparkFrameMethods.frame
pyspark.pandas.spark.accessors.SparkFrameMethods.hint
pyspark.pandas.spark.accessors.SparkFrameMethods.print_schema
pyspark.pandas.spark.accessors.SparkFrameMethods.schema
pyspark.pandas.spark.accessors.SparkFrameMethods.to_spark_io
pyspark.pandas.spark.accessors.SparkFrameMethods.to_table
pyspark.pandas.spark.accessors.SparkIndexMethods.analyzed
pyspark.pandas.spark.accessors.SparkIndexOpsMethods.transform
pyspark.pandas.spark.accessors.SparkSeriesMethods.analyzed
pyspark.pandas.spark.accessors.SparkSeriesMethods.apply
pyspark.pandas.spark.utils.as_nullable_spark_type
pyspark.pandas.spark.utils.force_decimal_precision_scale
pyspark.pandas.sql_formatter.sql
pyspark.pandas.sql_processor.escape_sql_string
pyspark.pandas.sql_processor.sql
pyspark.pandas.sql_processor.SQLProcessor.execute
pyspark.pandas.strings.StringMethods.capitalize
pyspark.pandas.strings.StringMethods.center
pyspark.pandas.strings.StringMethods.contains
pyspark.pandas.strings.StringMethods.count
pyspark.pandas.strings.StringMethods.endswith
pyspark.pandas.strings.StringMethods.find
pyspark.pandas.strings.StringMethods.findall
pyspark.pandas.strings.StringMethods.get
pyspark.pandas.strings.StringMethods.index
pyspark.pandas.strings.StringMethods.isalnum
pyspark.pandas.strings.StringMethods.isalpha
pyspark.pandas.strings.StringMethods.isdecimal
pyspark.pandas.strings.StringMethods.isdigit
pyspark.pandas.strings.StringMethods.islower
pyspark.pandas.strings.StringMethods.isnumeric
pyspark.pandas.strings.StringMethods.isspace
pyspark.pandas.strings.StringMethods.istitle
pyspark.pandas.strings.StringMethods.isupper
pyspark.pandas.strings.StringMethods.join
pyspark.pandas.strings.StringMethods.len
pyspark.pandas.strings.StringMethods.ljust
pyspark.pandas.strings.StringMethods.lower
pyspark.pandas.strings.StringMethods.lstrip
pyspark.pandas.strings.StringMethods.match
pyspark.pandas.strings.StringMethods.pad
pyspark.pandas.strings.StringMethods.repeat
pyspark.pandas.strings.StringMethods.replace
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pyspark.pandas.strings.StringMethods.rfind
pyspark.pandas.strings.StringMethods.rindex
pyspark.pandas.strings.StringMethods.rjust
pyspark.pandas.strings.StringMethods.rsplitle
pyspark.pandas.strings.StringMethods.rstrip
pyspark.pandas.strings.StringMethods.slice
pyspark.pandas.strings.StringMethods.slice_replace
pyspark.pandas.strings.StringMethods.split
pyspark.pandas.strings.StringMethods.startswith
pyspark.pandas.strings.StringMethods.strip
pyspark.pandas.strings.StringMethods.swapcase
pyspark.pandas.strings.StringMethods.title
pyspark.pandas.strings.StringMethods.translate
pyspark.pandas.strings.StringMethods.upper
pyspark.pandas.strings.StringMethods.wrap
pyspark.pandas.strings.StringMethods.zfill
pyspark.pandas.typedef.typehints.create_tuple_for_frame_type
pyspark.pandas.typedef.typehints.create_type_for_series_type
pyspark.pandas.typedef.typehints.pandas_on_spark_type
pyspark.pandas.utils.align_diff_frames
pyspark.pandas.utils.is_name_like_tuple
pyspark.pandas.utils.is_name_like_value
pyspark.pandas.utils.name_like_string
pyspark.pandas.utils.spark_column_equals
pyspark.pandas.utils.verify_temp_column_name
pyspark.pandas.window.Expanding.count
pyspark.pandas.window.Expanding.kurt
pyspark.pandas.window.Expanding.max
pyspark.pandas.window.Expanding.mean
pyspark.pandas.window.Expanding.min
pyspark.pandas.window.Expanding.quantile
pyspark.pandas.window.Expanding.skew
pyspark.pandas.window.Expanding.std
pyspark.pandas.window.Expanding.sum
pyspark.pandas.window.Expanding.var
pyspark.pandas.window.ExpandingGroupby.count
pyspark.pandas.window.ExpandingGroupby.max
pyspark.pandas.window.ExpandingGroupby.mean
pyspark.pandas.window.ExpandingGroupby.min
pyspark.pandas.window.ExpandingGroupby.quantile
pyspark.pandas.window.ExpandingGroupby.sum
pyspark.pandas.window.ExponentialMoving.mean
pyspark.pandas.window.ExponentialMovingGroupby.mean
pyspark.pandas.window.Rolling.count
pyspark.pandas.window.Rolling.kurt
pyspark.pandas.window.Rolling.max
pyspark.pandas.window.Rolling.mean
pyspark.pandas.window.Rolling.min
pyspark.pandas.window.Rolling.quantile
pyspark.pandas.window.Rolling.skew
pyspark.pandas.window.Rolling.std
pyspark.pandas.window.Rolling.sum
pyspark.pandas.window.Rolling.var
pyspark.pandas.window.RollingGroupby.count
pyspark.pandas.window.RollingGroupby.max
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pyspark.pandas.window.RollingGroupby.mean
pyspark.pandas.window.RollingGroupby.min
pyspark.pandas.window.RollingGroupby.quantile
pyspark.pandas.window.RollingGroupby.sum
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PYSPARK-PANDAS-SLOW

```
pyspark.pandas.frame.DataFrame
pyspark.pandas.frame.DataFrame.add
pyspark.pandas.frame.DataFrame.add_prefix
pyspark.pandas.frame.DataFrame.add_suffix
pyspark.pandas.frame.DataFrame.aggregate
pyspark.pandas.frame.DataFrame.align
pyspark.pandas.frame.DataFrame.all
pyspark.pandas.frame.DataFrame.any
pyspark.pandas.frame.DataFrame.append
pyspark.pandas.frame.DataFrame.apply
pyspark.pandas.frame.DataFrame.applymap
pyspark.pandas.frame.DataFrame.assign
pyspark.pandas.frame.DataFrame.astype
pyspark.pandas.frame.DataFrame.at_time
pyspark.pandas.frame.DataFrame.axes
pyspark.pandas.frame.DataFrame.between_time
pyspark.pandas.frame.DataFrame.boxplot
pyspark.pandas.frame.DataFrame.clip
pyspark.pandas.frame.DataFrame.combine_first
pyspark.pandas.frame.DataFrame.copy
pyspark.pandas.frame.DataFrame.corr
pyspark.pandas.frame.DataFrame.corrwith
pyspark.pandas.frame.DataFrame.cov
pyspark.pandas.frame.DataFrame.describe
pyspark.pandas.frame.DataFrame.diff
pyspark.pandas.frame.DataFrame.div
pyspark.pandas.frame.DataFrame.dot
pyspark.pandas.frame.DataFrame.drop
pyspark.pandas.frame.DataFrame.drop_duplicates
pyspark.pandas.frame.DataFrame.droplevel
pyspark.pandas.frame.DataFrame.dropna
pyspark.pandas.frame.DataFrame.dtypes
pyspark.pandas.frame.DataFrame.duplicated
pyspark.pandas.frame.DataFrame.empty
pyspark.pandas.frame.DataFrame.eq
pyspark.pandas.frame.DataFrame.eval
pyspark.pandas.frame.DataFrame.explode
pyspark.pandas.frame.DataFrame.fillna
pyspark.pandas.frame.DataFrame.filter
pyspark.pandas.frame.DataFrame.first
pyspark.pandas.frame.DataFrame.floordiv
pyspark.pandas.frame.DataFrame.from_dict
pyspark.pandas.frame.DataFrame.from_records
pyspark.pandas.frame.DataFrame.ge
pyspark.pandas.frame.DataFrame.groupby
pyspark.pandas.frame.DataFrame.gt
pyspark.pandas.frame.DataFrame.head
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pyspark.pandas.frame.DataFrame.hist
pyspark.pandas.frame.DataFrame.idxmax
pyspark.pandas.frame.DataFrame.idxmin
pyspark.pandas.frame.DataFrame.info
pyspark.pandas.frame.DataFrame.insert
pyspark.pandas.frame.DataFrame.isin
pyspark.pandas.frame.DataFrame.isnull
pyspark.pandas.frame.DataFrame.items
pyspark.pandas.frame.DataFrame.join
pyspark.pandas.frame.DataFrame.kde
pyspark.pandas.frame.DataFrame.keys
pyspark.pandas.frame.DataFrame.last
pyspark.pandas.frame.DataFrame.le
pyspark.pandas.frame.DataFrame.lt
pyspark.pandas.frame.DataFrame.mad
pyspark.pandas.frame.DataFrame.mask
pyspark.pandas.frame.DataFrame.melt
pyspark.pandas.frame.DataFrame.merge
pyspark.pandas.frame.DataFrame.mod
pyspark.pandas.frame.DataFrame.mode
pyspark.pandas.frame.DataFrame.mul
pyspark.pandas.frame.DataFrame.ndim
pyspark.pandas.frame.DataFrame.ne
pyspark.pandas.frame.DataFrame.nlargest
pyspark.pandas.frame.DataFrame.notnull
pyspark.pandas.frame.DataFrame.nsmallest
pyspark.pandas.frame.DataFrame.nunique
pyspark.pandas.frame.DataFrame.pct_change
pyspark.pandas.frame.DataFrame.pivot
pyspark.pandas.frame.DataFrame.pivot_table
pyspark.pandas.frame.DataFrame.pop
pyspark.pandas.frame.DataFrame.pow
pyspark.pandas.frame.DataFrame.quantile
pyspark.pandas.frame.DataFrame.query
pyspark.pandas.frame.DataFrame.radd
pyspark.pandas.frame.DataFrame.rank
pyspark.pandas.frame.DataFrame.rdiv
pyspark.pandas.frame.DataFrame.reindex
pyspark.pandas.frame.DataFrame.reindex_like
pyspark.pandas.frame.DataFrame.rename
pyspark.pandas.frame.DataFrame.rename_axis
pyspark.pandas.frame.DataFrame.replace
pyspark.pandas.frame.DataFrame.reset_index
pyspark.pandas.frame.DataFrame.rfloordiv
pyspark.pandas.frame.DataFrame.rmod
pyspark.pandas.frame.DataFrame.rmul
pyspark.pandas.frame.DataFrame.round
pyspark.pandas.frame.DataFrame.rpow
pyspark.pandas.frame.DataFrame.rsub
pyspark.pandas.frame.DataFrame.rtruediv
pyspark.pandas.frame.DataFrame.sample
pyspark.pandas.frame.DataFrame.select_dtypes
pyspark.pandas.frame.DataFrame.set_index
pyspark.pandas.frame.DataFrame.shape
pyspark.pandas.frame.DataFrame.shift
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pyspark.pandas.frame.DataFrame.sort_index
pyspark.pandas.frame.DataFrame.sort_values
pyspark.pandas.frame.DataFrame.stack
pyspark.pandas.frame.DataFrame.sub
pyspark.pandas.frame.DataFrame.swapaxes
pyspark.pandas.frame.DataFrame.swaplevel
pyspark.pandas.frame.DataFrame.T
pyspark.pandas.frame.DataFrame.tail
pyspark.pandas.frame.DataFrame.take
pyspark.pandas.frame.DataFrame.to_delta
pyspark.pandas.frame.DataFrame.to_dict
pyspark.pandas.frame.DataFrame.to_orc
pyspark.pandas.frame.DataFrame.to_pandas
pyspark.pandas.frame.DataFrame.to_parquet
pyspark.pandas.frame.DataFrame.to_records
pyspark.pandas.frame.DataFrame.to_spark_io
pyspark.pandas.frame.DataFrame.to_string
pyspark.pandas.frame.DataFrame.to_table
pyspark.pandas.frame.DataFrame.transform
pyspark.pandas.frame.DataFrame.transpose
pyspark.pandas.frame.DataFrame.truediv
pyspark.pandas.frame.DataFrame.unstack
pyspark.pandas.frame.DataFrame.update
pyspark.pandas.frame.DataFrame.where
pyspark.pandas.frame.DataFrame.xs
pyspark.pandas.generic.Frame.abs
pyspark.pandas.generic.Frame.at
pyspark.pandas.generic.Frame.bfill
pyspark.pandas.generic.Frame.bool
pyspark.pandas.generic.Frame.count
pyspark.pandas.generic.Frame.cummax
pyspark.pandas.generic.Frame.cummin
pyspark.pandas.generic.Frame.cumprod
pyspark.pandas.generic.Frame.cumsum
pyspark.pandas.generic.Frame.ffill
pyspark.pandas.generic.Frame.first_valid_index
pyspark.pandas.generic.Frame.get
pyspark.pandas.generic.Frame.get_dtype_counts
pyspark.pandas.generic.Frame.groupby
pyspark.pandas.generic.Frame.iat
pyspark.pandas.generic.Frame.iloc
pyspark.pandas.generic.Frame.interpolate
pyspark.pandas.generic.Frame.kurtosis
pyspark.pandas.generic.Frame.last_valid_index
pyspark.pandas.generic.Frame.loc
pyspark.pandas.generic.Frame.max
pyspark.pandas.generic.Frame.mean
pyspark.pandas.generic.Frame.median
pyspark.pandas.generic.Frame.min
pyspark.pandas.generic.Frame.pipe
pyspark.pandas.generic.Frame.product
pyspark.pandas.generic.Frame.sem
pyspark.pandas.generic.Frame.size
pyspark.pandas.generic.Frame.skew
pyspark.pandas.generic.Frame.squeeze
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pyspark.pandas.generic.Frame.std
pyspark.pandas.generic.Frame.sum
pyspark.pandas.generic.Frame.to_csv
pyspark.pandas.generic.Frame.to_excel
pyspark.pandas.generic.Frame.to_json
pyspark.pandas.generic.Frame.to_markdown
pyspark.pandas.generic.Frame.to_numpy
pyspark.pandas.generic.Frame.truncate
pyspark.pandas.generic.Frame.values
pyspark.pandas.generic.Frame.var
pyspark.pandas.series.Series.add
pyspark.pandas.series.Series.add_prefix
pyspark.pandas.series.Series.add_suffix
pyspark.pandas.series.Series.aggregate
pyspark.pandas.series.Series.align
pyspark.pandas.series.Series.append
pyspark.pandas.series.Series.apply
pyspark.pandas.series.Series.argmax
pyspark.pandas.series.Series.argmin
pyspark.pandas.series.Series.argsort
pyspark.pandas.series.Series.asof
pyspark.pandas.series.Series.at_time
pyspark.pandas.series.Series.autocorr
pyspark.pandas.series.Series.axes
pyspark.pandas.series.Series.between
pyspark.pandas.series.Series.between_time
pyspark.pandas.series.Series.clip
pyspark.pandas.series.Series.combine_first
pyspark.pandas.series.Series.compare
pyspark.pandas.series.Series.copy
pyspark.pandas.series.Series.corr
pyspark.pandas.series.Series.cov
pyspark.pandas.series.Series.describe
pyspark.pandas.series.Series.diff
pyspark.pandas.series.Series.div
pyspark.pandas.series.Series.dot
pyspark.pandas.series.Series.drop
pyspark.pandas.series.Series.drop_duplicates
pyspark.pandas.series.Series.droplevel
pyspark.pandas.series.Series.dropna
pyspark.pandas.series.Series.dtypes
pyspark.pandas.series.Series.duplicated
pyspark.pandas.series.Series.eq
pyspark.pandas.series.Series.explode
pyspark.pandas.series.Series.fillna
pyspark.pandas.series.Series.filter
pyspark.pandas.series.Series.first
pyspark.pandas.series.Series.floordiv
pyspark.pandas.series.Series.ge
pyspark.pandas.series.Series.groupby
pyspark.pandas.series.Series.gt
pyspark.pandas.series.Series.head
pyspark.pandas.series.Series.hist
pyspark.pandas.series.Series.idxmax
pyspark.pandas.series.Series.idxmin
```



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pyspark.pandas.series.Series.is_unique
pyspark.pandas.series.Series.item
pyspark.pandas.series.Series.keys
pyspark.pandas.series.Series.last
pyspark.pandas.series.Series.le
pyspark.pandas.series.Series.lt
pyspark.pandas.series.Series.mad
pyspark.pandas.series.Series.map
pyspark.pandas.series.Series.mask
pyspark.pandas.series.Series.mod
pyspark.pandas.series.Series.mode
pyspark.pandas.series.Series.mul
pyspark.pandas.series.Series.ne
pyspark.pandas.series.Series.nlargest
pyspark.pandas.series.Series.nsmallest
pyspark.pandas.series.Series.pct_change
pyspark.pandas.series.Series.pop
pyspark.pandas.series.Series.pow
pyspark.pandas.series.Series.quantile
pyspark.pandas.series.Series.radd
pyspark.pandas.series.Series.rank
pyspark.pandas.series.Series.rdiv
pyspark.pandas.series.Series.reindex
pyspark.pandas.series.Series.reindex_like
pyspark.pandas.series.Series.rename
pyspark.pandas.series.Series.rename_axis
pyspark.pandas.series.Series.repeat
pyspark.pandas.series.Series.replace
pyspark.pandas.series.Series.reset_index
pyspark.pandas.series.Series.rfloordiv
pyspark.pandas.series.Series.rmod
pyspark.pandas.series.Series.rmul
pyspark.pandas.series.Series.round
pyspark.pandas.series.Series.rpow
pyspark.pandas.series.Series.rsub
pyspark.pandas.series.Series.rtruediv
pyspark.pandas.series.Series.sample
pyspark.pandas.series.Series.searchsorted
pyspark.pandas.series.Series.sort_index
pyspark.pandas.series.Series.sort_values
pyspark.pandas.series.Series.sub
pyspark.pandas.series.Series.swapaxes
pyspark.pandas.series.Series.swaplevel
pyspark.pandas.series.Series.T
pyspark.pandas.series.Series.tail
pyspark.pandas.series.Series.to_dict
pyspark.pandas.series.Series.to_frame
pyspark.pandas.series.Series.to_pandas
pyspark.pandas.series.Series.to_string
pyspark.pandas.series.Series.transform
pyspark.pandas.series.Series.transpose
pyspark.pandas.series.Series.truediv
pyspark.pandas.series.Series.unique
pyspark.pandas.series.Series.unstack
pyspark.pandas.series.Series.update
```



```
pyspark.pandas.series.Series.where  
pyspark.pandas.series.Series.xs
```

PYSPARK-TESTING

```
pyspark.testing.utils.assertDataFrameEqual  
pyspark.testing.utils.assertSchemaEqual
```