

rdbstats
2.0.9

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Chapter 1

rdbstats

1.1 Copyright

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Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

RdbStats	The base class to calculate : average, maximum, minimum, num, stddev and sum	7
RdbStatsAve	To normalize the results wrt to the average	8
RdbStatsPercentiles	A class to calculate the percentiles, RdbStatsPercentiles isA special case of the class RdbStats . . .	9
RdbStatsPercentilesAve	A class to calculate the percentiles, RdbStatsPercentilesAve isA special case of the class RdbStatsPercentiles	10
RdbStatsPercentilesMed	A class to calculate the percentiles, RdbStatsPercentilesMed isA special case of the class RdbStatsPercentiles	12
SelectedCols	A class to figure out the name of the columns for which the statistics are to be calculated	13
StatsResult< Type >	A container class to hold the relevant data for the rdb data columns	14

Chapter 4

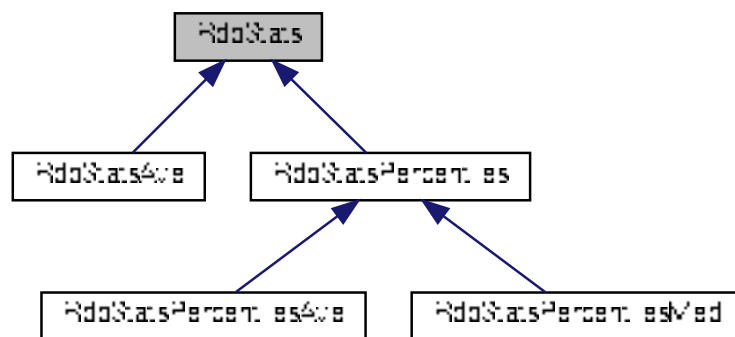
Class Documentation

4.1 RdbStats Class Reference

The base class to calculate : average, maximum, minimum, num, stddev and sum.

```
#include <RdbStats.h>
```

Inheritance diagram for RdbStats:



Public Member Functions

- virtual int [calculate_statistics](#) ()
Perform the final statistic for the set.
- double [get_absolute_average](#) () const
To get the absolute value of the average.
- virtual void [update_statistics](#) ()
Read the column from RDB++, update the statistics for the column.

4.1.1 Detailed Description

The base class to calculate : average, maximum, minimum, num, stddev and sum.

The derived classes are: RdbStatsPercentile, RdbStatsQuartile.

Definition at line 61 of file RdbStats.h.

The documentation for this class was generated from the following files:

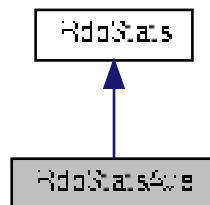
- RdbStats.h
- RdbStats.cc

4.2 RdbStatsAve Class Reference

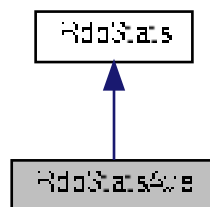
To normalize the results wrt to the average.

```
#include <RdbStatsAve.h>
```

Inheritance diagram for RdbStatsAve:



Collaboration diagram for RdbStatsAve:



Public Member Functions

- virtual int [calculate_statistics](#) ()
Perform the final statistic for the set.

4.2.1 Detailed Description

To normalize the results wrt to the average.

Definition at line 33 of file RdbStatsAve.h.

The documentation for this class was generated from the following files:

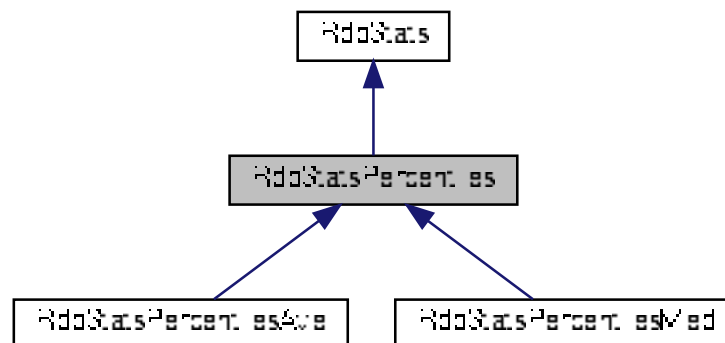
- RdbStatsAve.h
- RdbStatsAve.cc

4.3 RdbStatsPercentiles Class Reference

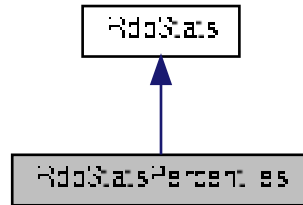
A class to calculate the percentiles, [RdbStatsPercentiles](#) is a special case of the class [RdbStats](#).

```
#include <RdbStatsPercentiles.h>
```

Inheritance diagram for RdbStatsPercentiles:



Collaboration diagram for RdbStatsPercentiles:



Public Member Functions

- [RdbStatsPercentiles](#) (RDB &irdbtable, const std::string &name, const PercentileList &percentiles)
—percentiles 12,34.. and —quartile
- virtual int [calculate_statistics](#) ()
Perform the final statistic for the set.
- virtual void [update_statistics](#) ()
Read the column from RDB++, update the statistics for the column.

4.3.1 Detailed Description

A class to calculate the percentiles, [RdbStatsPercentiles](#) is a special case of the class [RdbStats](#).

Definition at line 37 of file `RdbStatsPercentiles.h`.

The documentation for this class was generated from the following files:

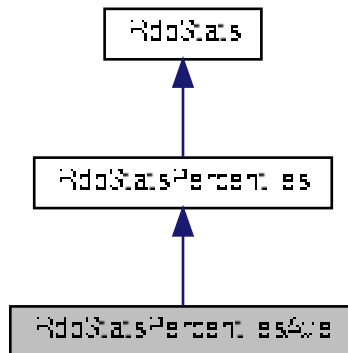
- `RdbStatsPercentiles.h`
- `RdbStatsPercentiles.cc`

4.4 RdbStatsPercentilesAve Class Reference

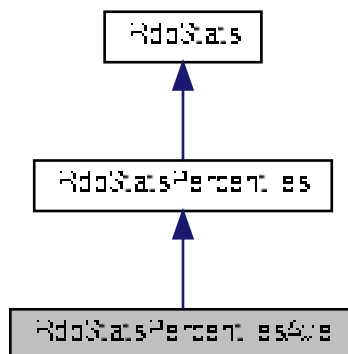
A class to calculate the percentiles, [RdbStatsPercentilesAve](#) is a special case of the class [RdbStatsPercentiles](#).

```
#include <RdbStatsPercentilesAve.h>
```

Inheritance diagram for RdbStatsPercentilesAve:



Collaboration diagram for RdbStatsPercentilesAve:



Public Member Functions

- virtual int [calculate_statistics](#) ()
Perform the final statistic for the set.

4.4.1 Detailed Description

A class to calculate the percentiles, [RdbStatsPercentilesAve](#) is a special case of the class [RdbStatsPercentiles](#).

Definition at line 35 of file `RdbStatsPercentilesAve.h`.

The documentation for this class was generated from the following files:

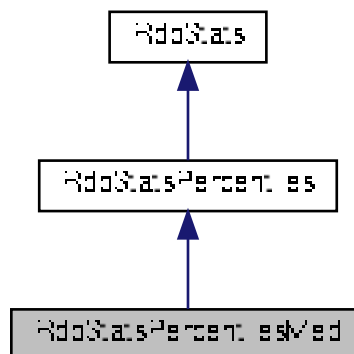
- `RdbStatsPercentilesAve.h`
- `RdbStatsPercentilesAve.cc`

4.5 RdbStatsPercentilesMed Class Reference

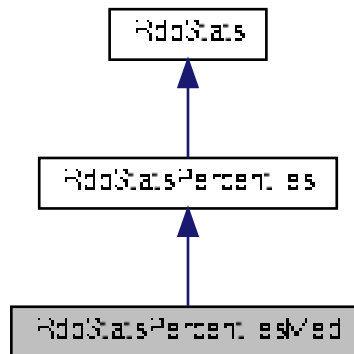
A class to calculate the percentiles, [RdbStatsPercentilesMed](#) is a special case of the class [RdbStatsPercentiles](#).

```
#include <RdbStatsPercentilesMed.h>
```

Inheritance diagram for `RdbStatsPercentilesMed`:



Collaboration diagram for RdbStatsPercentilesMed:



Public Member Functions

- virtual int [calculate_statistics](#) ()
Perform the final statistic for the set.

4.5.1 Detailed Description

A class to calculate the percentiles, [RdbStatsPercentilesMed](#) is a special case of the class [RdbStatsPercentiles](#).

Definition at line 34 of file [RdbStatsPercentilesMed.h](#).

The documentation for this class was generated from the following files:

- [RdbStatsPercentilesMed.h](#)
- [RdbStatsPercentilesMed.cc](#)

4.6 SelectedCols Class Reference

A class to figure out the name of the columns for which the statistics are to be calculated.

```
#include <SelectedCols.h>
```

4.6.1 Detailed Description

A class to figure out the name of the columns for which the statistics are to be calculated.

The users can select all column by specifying with the `--all` option. The user can specify the selected columns by listing the column names in conjunction with the `-d` option to override the column definition.

Definition at line 48 of file `SelectedCols.h`.

The documentation for this class was generated from the following files:

- `SelectedCols.h`
- `SelectedCols.cc`

4.7 StatsResult< Type > Class Template Reference

A container class to hold the relevant data for the rdb data columns.

```
#include <StatsResult.h>
```

Protected Attributes

- Type & `rdb_stats_columns`
The reference to the selected rdb data column.
- RDB & `ordbtable`
The reference to the output rdb table.

4.7.1 Detailed Description

```
template<class Type>  
class StatsResult< Type >
```

A container class to hold the relevant data for the rdb data columns.

Definition at line 36 of file `StatsResult.h`.

The documentation for this class was generated from the following files:

- `StatsResult.h`
- `StatsResult.cc`

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