TAJO-923

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2014-07-09

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Root issue TAJO-923

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Add VAR_SAMP and VAR_POP window functions

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1.4 Commits

1. Commit **14a1e53** by **Dongjoon Hyun** (2015-04-17): TAJO-923: Add VAR_SAMP and VAR_POP window functions.

   Closes #458

   Signed-off-by: Jihoon Son <jihoonson@apache.org>

2. Commit **9daef58** by **Hyunsik Choi** (2012-08-30): TAJO-923: Refactor the package tree and rename obsolete prefix "TAJO".

   Change-Id: I92f2dfaf6443dbc395cc11203db5653a3b3c6874
   Reviewed-on: https://dbserver.korea.ac.kr/reviews/342
   Tested-by: Jenkins <build@dbserver.korea.ac.kr>
   Reviewed-by: Hyunsik Choi <hyunsik.choi@gmail.com>

1.5 Comments

1. **tajoqa:** {color:red}*-1 overall.*{color} Here are the results of testing the latest attachment
   http://issues.apache.org/jira/secure/attachment/12706810/TAJO-923.patch
   against master revision release-0.9.0-rc0-214-g8d0146b.

   {color:green}+1 @author.{color} The patch does not contain any @author tags.

{color:green}+1 tests included.{color} The patch appears to include 1 new or modified test files.

{color:green}+1 javac.{color} The applied patch does not increase the total number of javac compiler warnings.

{color:green}+1 javadoc.{color} The applied patch does not increase the total number of javadoc warnings.

{color:green}+1 checkstyle.{color} The patch generated 0 code style errors.

{color:red}-1 findbugs.{color} The patch appears to introduce 2 new Findbugs (version 2.0.3) warnings.

{color:green}+1 release audit.{color} The applied patch does not increase the total number of release audit warnings.

{color:green}+1 core tests.{color} The patch passed unit tests in tajo-core.

Test results: https://builds.apache.org/job/PreCommit-TAJO-Build/646//testReport/
Findbugs warnings: https://builds.apache.org/job/PreCommit-TAJO-Build/646//artifact/incubator-tajo/patchprocess/newPatchFindbugsWarningstajo-core.html
Console output: https://builds.apache.org/job/PreCommit-TAJO-Build/646//console

This message is automatically generated.

2. **tajoqa:** {color:red}*-1 overall.*{color} Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12725767/TAJO-923.Hyun.150416.0.patch.txt against master revision release-0.9.0-rc0-254-gc42d4b3.

{color:green}+1 @author.{color} The patch does not contain any @author tags.

{color:green}+1 tests included.{color} The patch appears to include 1 new or modified test files.

{color:green}+1 javac.{color} The applied patch does not increase the total number of javac compiler warnings.

{color:green}+1 javadoc.{color} The applied patch does not increase the total number of javadoc warnings.

{color:green}+1 checkstyle.{color} The patch generated 0 code style errors.

{color:red}-1 findbugs.{color} The patch appears to introduce 17 new Findbugs (version 2.0.3) warnings.

{color:green}+1 release audit.{color} The applied patch does not increase the total number of release audit warnings.

{color:green}+1 core tests.{color} The patch passed unit tests in tajo-core.

Test results: https://builds.apache.org/job/PreCommit-TAJO-Build/732//testReport/
Findbugs warnings: https://builds.apache.org/job/PreCommit-TAJO-Build/732//artifact/incubator-

tajo/patchprocess/newPatchFindbugsWarningstajo-core.html
Console output: https://builds.apache.org/job/PreCommit-TAJO-Build/732//console

This message is automatically generated.

3. **tajoqa:** {color:red}*-1 overall.*{color} Here are the results of testing the latest attachment http://issues.apache.org/jira/secure/attachment/12726134/TAJO-923.Hyun.150417.0.patch.txt against master revision release-0.9.0-rc0-258-gd2a4f9b.

   {color:green}+1 @author.{color} The patch does not contain any @author tags.

   {color:green}+1 tests included.{color} The patch appears to include 1 new or modified test files.

   {color:green}+1 javac.{color} The applied patch does not increase the total number of javac compiler warnings.

   {color:green}+1 javadoc.{color} The applied patch does not increase the total number of javadoc warnings.

   {color:green}+1 checkstyle.{color} The patch generated 0 code style errors.

   {color:red}-1 findbugs.{color} The patch appears to introduce 18 new Findbugs (version 2.0.3) warnings.

   {color:green}+1 release audit.{color} The applied patch does not increase the total number of release audit warnings.

   {color:green}+1 core tests.{color} The patch passed unit tests in tajo-core.

   Test results: https://builds.apache.org/job/PreCommit-TAJO-Build/739//testReport/
   Findbugs warnings: https://builds.apache.org/job/PreCommit-TAJO-Build/739//artifact/incubator-tajo/patchprocess/newPatchFindbugsWarningstajo-core.html
   Console output: https://builds.apache.org/job/PreCommit-TAJO-Build/739//console

   This message is automatically generated.

4. **jihoonson:** Committed to the master branch.
   Thanks!

5. **hudson:** FAILURE: Integrated in Tajo-master-CODEGEN-build #310 (See [https://builds.apache.org/job/Tajo-master-CODEGEN-build/310/])
   TAJO-923: Add VAR_SAMP and VAR_POP window functions. (jihoonson: rev 14a1e536c2848dbb9e1a714076d83
   * tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/Variance.java
   * tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarSamp.java
   * tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/StdDevSamp.java
   * tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarSampInt.java
   * tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarSampDouble.java
   * tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarSampLong.java
   * tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarPop.java
   * CHANGES
   * tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarPopLong.java
   * tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/StdDev.java
   * tajo-core/src/test/java/org/apache/tajo/engine/function/TestBuiltinFunctions.java
   * tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarPopDouble.java

* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarPopFloat.java
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/StdDevPop.java
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarPopInt.java
* tajo-core/src/main/proto/InternalTypes.proto
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarSampFloat.java

6. **hudson:** SUCCESS: Integrated in Tajo-master-build #672 (See [https://builds.apache.org/job/Tajo-master-build/672/])
TAJO-923: Add VAR_SAMP and VAR_POP window functions. (jihoonson: rev 14a1e536c2848dbb9e1a714076d83
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarSampDouble.java
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarSamp.java
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/StdDevSamp.java
* CHANGES
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarSampInt.java
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarPopInt.java
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarPopFloat.java
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/StdDevPop.java
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarSampFloat.java
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarPop.java
* tajo-core/src/test/java/org/apache/tajo/engine/function/TestBuiltinFunctions.java
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/StdDev.java
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarSampLong.java
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarPopLong.java
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/VarPopDouble.java
* tajo-core/src/main/proto/InternalTypes.proto
* tajo-core/src/main/java/org/apache/tajo/engine/function/builtin/Variance.java

1.6   Pull requests

1.6.1   Pull request 458

Title: TAJO-923: Add $VAR_S AMP and VAR_P OP window functions$
Author : $dongjoon-hyun$
Date : $2015-03-24$
Status : $closed$
Comments :
   dongjoon-hyun (2015-03-31): Rebased.

   dongjoon-hyun (2015-04-02): Rebased.

   jihoonson (2015-04-05): I'll review today.

   jihoonson (2015-04-12): The only difference between this patch and TAJO-921 is the absence of square root. Why should we maintan mostly duplicated codes separately?

   jihoonson (2015-04-12): No offense. Sorry for late review.

   dongjoon-hyun (2015-04-13): @jihoonson , I knew that 20 days ago. :) But, there was no way to implement variance at that time, since TAJO-921 is not committed yet. As I

mentioned my first comment, we need to change.

Here, I need your guide how to reduce the redundancy. Is it proper to compute STD_DEV first and square that?

jihoonson (2015-04-13): Thanks for your rapid reply.
Yes, I also think that will be a good way.

dongjoon-hyun (2015-04-16): Hi, @jihoonson . I removed the following redundancy. Now, VarSamp and VarPop use StdDevContext.
- ProtocolBuffer message for VarSamp/VarPop
- Var.java file

jihoonson (2015-04-17): +1 thanks for your work.