

TIBCO Statistica™

Release Notes

Software Release 13.3.0

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Two-Second Advantage®



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TIBCO Documentation and Support Services

Documentation for this and other TIBCO products is available on the TIBCO Documentation site. This site is updated more frequently than any documentation that might be included with the product. To ensure that you are accessing the latest available help topics, visit:

<https://docs.tibco.com>

How to Contact TIBCO Support

For comments or problems with this manual or the software it addresses, contact TIBCO Support:

- For an overview of TIBCO Support, and information about getting started with TIBCO Support, visit this site:

<http://www.tibco.com/services/support>

- If you already have a valid maintenance or support contract, visit this site:

<https://support.tibco.com>

Entry to this site requires a user name and password. If you do not have a user name, you can request one.

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Overview

Statistica 13.3 is a minor release containing new integration options with TIBCO Spotfire® and TIBCO Streambase® products, starting with this release.

Statistica is a flexible analytics system, which allows users to:

- Create analytic workflows that are packaged and published to business users
- Explore interactively and visualize problems
- Create and deploy statistical, predictive, data mining, machine learning, forecasting, optimization, and text analytic models

This new release offers organizations the ability to manage the entire analytical lifecycle, data aggregation and preparation, data visualization and discovery, model creation, model deployment, and model monitoring, with the Statistica Enterprise Server. In addition, this product line provides governance controls to work within regulated environments.

New Features – All Products

The following features are found in all Statistica products:

Fit Johnson Distribution by CPM Method and Anderson-Darling

The goal of Fit Johnson Distribution is to characterize a process accurately. The Anderson-Darling test can be used to assess quality of fit. These changes are only available via the interactive analysis when a spreadsheet is opened.

You can fit the Johnson distribution by the method described in Chou, Polansky, and Mason (1998), CPM method, in the Distributions & Simulation and Process Capability modules. This new option is located:

- **Statistics Ribbon → Process Capability Analysis Setup → RawData → Distribution tab → Percentile fit**
- **Statistics Ribbon → More Distributions → Fit Distributions → Continuous variables tab → Percentile fit**

If the Percentile fit option is not selected, the moments method will be used to fit the data.

The Anderson-Darling test is located on **Statistics Ribbon → More Distributions → Fit Distributions → Options tab**.

There is also a new object call that will return the fitted parameters in variables.

Int FitJohnsonFromPercentiles(ByVal nCases As long, ByRef x() As Double, ByVal z As Double, ByVal isSorted as Boolean, ByRef JohnsonType As Double, ByRef Gamma As Double, ByRef Delta As Double, ByRef Lambda As Double, ByRef Xi As Double)

Spark Job Server and Livy

Integration with Apache Spark engine via Spark Job Server and Livy is now available. This feature is aimed at developers, who can now write custom Spark Scala nodes. The custom node's role is to transfer the Spark Scala code for executing on a remote Spark engine. There is a generic Spark code node for developers to get started with on the Big Data Analytics ribbon and the Publish ribbon.

If Statistica Server is installed, you will not need to enter the URL for the Spark Livy Server in the Options dialog. Otherwise you will need to enter the URL.

Livy/Scala integration with Spark requires the following:

- Java: server version 1.7+
- Hadoop: 1 or 2
- Spark: 1.6+ (Livy server 0.2.0 for Spark 1.x and Livy server 0.3.0 for Spark 2.x)

Workbook

When you save a Statistica Workbook a new option lets you save as an Excel Workbook. Statistica spreadsheets will be exported to Excel.

Workspace

We have added new workspace examples to demonstrate functionality. Open workspaces by selecting **Home Ribbon → File → Open Examples**, and then select the Workspaces folder.

Here are the file names of the new examples:

- Advanced Comprehensive Classifiers.sdm
- Advanced Comprehensive Regression Models.sdm
- Example_CSharp_Enterprise_Manager_Object.sdm
- Example_H2O_DeepLearning_GLM_Lasso_AirlinesDelay.sdm
- Example_H2O_DeepLearning_MNIST_Digit_Classification.sdm
- Example_H2O_DRF_DistributedRandomForest.sdm
- Example_H2O_K-Means.sdm
- Example_H2O_PCA_PrincipalComponentAnalysis.sdm
- Example_SBDF_Import_Export.sdm (TIBCO Spotfire® integration)
- Example_SetVarNamesfromcase.sdm
- Example_SparkFeatureSelection.sdm
- Example_SparkModelComparison.sdm
- Example_SparkRegression.sdm
- Example_SparkTrees.sdm
- Example_SubsetbyMatch.sdm

- General Classification Quick Linear Models.sdm
- General Forecaster Neural Network Time Series.sdm
- General Quick Linear Models.sdm
- Neural Network Advanced Multiple Architectures.sdm
- Neural Network Multilayer Perceptrons.sdm

A new node browser named **All** has been added. This is the default node browser and contains the new H2O and Spark Scala scripted nodes. Regulated industries may wish to switch the default node browser back to **All Validated Procedures**. The default can be modified via the NodeBrowser.xml file. Change the tag DefaultConfig on the server prior to upgrading workstations.

```
<DMNodeBrowser DefaultConfig=All Validated Procedures version=133>
```

The node browser named **Scripted Procedures** was removed in Statistica 13.2, but has been added back due to customer request.

The following new nodes have been added to the to **All** and **All Validated Procedures** node browsers for workspaces.

- **Create Flag Variable** node is located on the Data ribbon. This node is a fast way to generate binary metadata in a new variable: 1/0, good/bad, hot/cold. Your source dataset can have multiple values selected and recoded. So **AFTER_1** and **AFTER_2** can be coded as **1**. And all other values in the variable become **0** in the new variable.
- **H2O Data** and **H2O Data Mapping** allow users to determine the column type when importing data frames. These nodes are on the Big Data Analytics ribbon.
- Spark nodes for feature selection, decision tree, logistic regression, random forest and SVM are available on the Big Data Analysis ribbon.
- A Generic Spark code node has been added to the Publish tab. Users can now write scripts in C#, Python, R, SVB and Spark Scala for customization of workspaces.

You can now copy and paste text into workspace annotations with **Ctrl+C** and **Ctrl+V**.

The Export Data node can now export Statistica Spreadsheets.

The **Write Spreadsheet to Database** node (also known as **Write to Database** and **Writeback to Database**) now has the ability to insert, update and delete within existing tables. This node allows the node to drop existing records rather than dropping the entire table.

New Features – Statistica Expert Quality Control and Statistica Enterprise

Data can be retrieved from the PI Asset Framework. When a spreadsheet or workspace is open, select **PI ribbon**→**Asset Framework Data**.

New Features – Statistica Expert Data Science and Statistica Enterprise

Two new nodes were added for model comparison and alternating least squares.

- The **Model Comparison** node is available at **Data Mining ribbon→Tools→Model Comparison**. You can compare different versions of a model in Enterprise Manager. You can compare different models and decide the new Champion model.
- **Alternating Least Squares** nodes are available on **Data Mining ribbon→Other→Alternating Least Squares**. This is matrix factorization method specifically designed to handle big data that is possibly incomplete (missing data is okay) or sparse (lots of 0's, which can happen in text-mining applications) and can be used to:
 - Build recommender systems (**People Who Like This Also Like That** model)
 - Perform a penalized or non-penalized singular value decomposition, which can be useful in text mining applications, pca, factor analysis, and correspondence analysis, etc.
 - Impute missing data

The **Weight of Evidence** module and node were modified to be more flexible and variable centric. The data scientist can now work on a few variables at a time without needing to update bins for all the selected variables. The purpose of the Weight of Evidence (WoE) is to recode the values in continuous and categorical predictor variables into discrete categories automatically, and to assign to each category a unique Weight-of-Evidence value. This recoding is conducted in a manner that will produce the largest differences between the recoded groups with respect to the WoE values. In addition, other constraints are observed while the program determines solutions for the optimal binning of predictors.

New Features – Statistica Server

Statistica Server is a collection of applications and systems used to provide roles based security and manage metadata.

Enterprise Manager

We added a new system option to control when read-only objects can be copied. If read-only objects cannot be copied, here are example functionality:

- Allow a user with data entry admin (EDE) to copy a read-only Data Entry Setup
- Prevent a user without analysis admin (AADM) from copying read-only Analysis Configurations

We added new options for reports to display all spreadsheet information in a report without possible truncation when in **object mode**, or require starting on a separate page when displaying full spreadsheets.

Enterprise Manager and Workspace

There is a new node named **Enterprise Ad Hoc Analysis with Input Data**, which can be used to do dynamic filtering. The node is found on the **Data ribbon**→**External Data**→**Enterprise**. Here is one scenario where the node is highly useful:

Dynamic Filtering Use Case:

A Workspace Analysis Configuration in Enterprise Manager has been added, and is associated/linked with a Data Entry Setup. This workspace is used to analyze the manually entered data. It contains the new node, **Enterprise Ad Hoc Analysis with Input Data**. This node calls:

1. Ad Hoc Analysis Configuration in Enterprise Manager and it is associated/linked to a different Data Entry Setup or Data Configuration. It has at least one column:
 - That is filterable
 - Whose name matches one label in the Data Entry Setup that is associated to the Workspace Analysis Configuration
2. If a matching label is found, then all label criteria information is:
 - Removed from the Ad Hoc Analysis Configuration in the node in the workspace
 - Replaced with the criteria values, as selected for the Data Entry Setup associated to the Workspace Analysis Configuration
3. Same as 2 except for matching date time values.

New Features – Data Entry Server

We added the **web.config** option to suppress global sample list, which decreases the login time into the web server. See the Data Entry Admin Guide on <http://docs.tibco.com>

Changes in Platform Support

The following are changes in platform support in version 13.3.0 of Statistica. For a complete list of all the currently supported platforms, refer to the Readme file.

As of Platform	Status	Notes
Microsoft Windows Vista	Deprecated	Microsoft no longer supports this operating system.

Changes in Functionality

Correspondence analysis

Correspondence analysis is available in all products. It is a descriptive/exploratory technique designed to analyze simple two-way and multi-way tables that contain some measure of correspondence between the rows and columns. This module is a full-featured implementation of simple and multiple correspondence analysis (MCA) techniques.

In the previous versions of MCA, case weights were rounded to the nearest integer. The current analysis can directly analyze data with fractional weights without having to round the weights prior to computation.

Deprecated, Changed and Removed Features

Customers under maintenance who need time to transition to a replacement product may request licensing for deprecated products until August 31, 2017 for everything except Statistica Scorecard.

Component/Product	Deprecated, Changed or Removed	Statistica Release
Statistica Small Business Edition	Deprecated. Customers with this product will receive the replacement product Statistica Enterprise Server.	13.1
Desktop Data Entry (SDAT)	Deprecated. Customers with this product will receive the replacement product Statistica Web Data Entry Server. Desktop Data Entry, which is started from the Statistica application, is an add-on module for the Statistica Enterprise Server product.	13.1
Statistica core licensing	Deprecated. Performance will no longer be limited for the client application by cores.	13.1
Automatic Data Collection	Deprecated. This tool does not have a replacement product.	13.1
Statistica Scorecard	Deprecated. Customers should visit http://scorecard.solutions for support or to purchase Scorecard. Statistica no longer sells this product.	13.1
In-database Analytics	Changed. Starting with 13.1 this feature's licensing changed. Customers under maintenance who own Statistica Data Miner plus Statistica Enterprise Server will be migrated to the new licensing. The feature will be licensed with the Statistica Enterprise base and the Statistica Server.	13.1
Statistica Enterprise Server	Changed. Statistica Server is the new name	13.3
Statistica Expert Manufacturing	Changed. Statistica Expert Quality Control is the new name for this analytic base product.	13.3

Statistica Web Data Entry Server	Changed. Statistica Data Entry Server is the new name. This server will be licensed per processor (core) rather than per server.	13.3
Statistica Text Miner	Changed. Statistica Text Miner is now included in the user licensing for Statistica Enterprise. It will no longer be sold as an add-on. Customers who own Statistica Text Miner will receive Statistica Enterprise licensing.	13.3
Statistica Enterprise Server Viewer Per Concurrent User	Deprecated. We will no longer license servers per concurrent user. Servers will be licensed per processor (core) only.	13.3
Statistica Monitoring & Alerting Server (Mas) Viewer Per Concurrent User	Deprecated. We will no longer license servers per concurrent user. Servers will be licensed per processor (core) only.	13.3
Statistica Data Entry Server Per Concurrent User	Deprecated. We will no longer license servers per concurrent user. Servers will be licensed per processor (core) only.	13.3

Migration and Compatibility

Before installing or upgrading to Statistica 13.3, ensure that your system meets the minimum system requirements.

If you have Statistica 12.0.65.4 or later installed on your computers, you can upgrade to 13.3. The installer will ask if you want to upgrade the installation. Select the checkbox agreeing to upgrade the older Statistica installation.

If you have older versions, you must uninstall Statistica and then install Statistica 13.3. Contact <https://support.tibco.com> to request Statistica 13.3 keys.

If you own Statistica Server and use versioning for changes, you must download Statistica Document Management System 1.0.9.0 (SDMS) from <https://edelivery.tibco.com>.

If you have SDMS 1.0.6.0, 1.0.7.0 or 1.0.8.0 installed, you only need to run the 1.0.9.0 installer to upgrade.

If you have a SDMS 1.0.2.3 or 1.0.4.0 installed, you can upgrade by following these instructions:

1. Run the Statistica installer and upgrade the Statistica installation.
2. Request the access code to add SDMS licensing on <https://support.tibco.com>
3. When you receive the access code, follow the emailed instructions on how to apply the code.
4. Run the SDMS 1.0.8.0 installer, which will upgrade the SDMS files.
5. Copy the **ClientSTAT.tmp** file from the **FlexLM** server directory (example, C:\Program Files (x86)\Statistica\FLEXlm) to the SDMS server directory. Rename the file to **stat.lic**.
6. Restart the SDMS service.

If you have older versions of SDMS, you should open a support request, <https://support.tibco.com>, to plan their upgrade of SDMS. The support engineer will need the Statistica version number and SDMS version number.

Closed Issues

This table lists closed issues in version 13.3.0 of Statistica for Statistica Professional, Statistica Expert Quality Control, Statistica Expert Data Science and Statistica Enterprise.

Key	Summary	Module
107443	When overwriting an existing StaOLEDB connection (connection to Statistica spreadsheet), an error would display.	Spreadsheets
107772	Fixed performance issue in workspace for user view with the SPC charts node	Workspace
107791	Workspace designer view on German operating system was incorrectly displaying all options under the Miscellaneous category.	Workspace
107810	Can enter C within annotation on workspace	Workspace
107811	Fixed performance issue with Variability Plots	Graphs
107835	Text variable was wrongly imported as Double when importing CSV	Import CSV file
107848	Export data into .csv file with Statistica 13.2 using UTF-8 encoding. Microsoft Excel did not display Japanese characters.	Export CSV file
107901	QC charts: Option UseVariableFormatsForScaleAxisLabels does not work	Quality Control module
107936	Cox Proportional Hazards can now complete analysis with one complete case (row) of data	Cox Proportional Hazards module
107974	Random grouping in histogram	Graphs
108000	Matrix plots node, one node option does not work	Workspace
108045	Write to database node was erroring out on encountering a date variable with Text labels with Oracle error	Workspace
108067	Workspace annotations disappeared after reopening workspace	Workspace
108090	Bar disappears on scale break	Graphs
108166	Sort node after Filter Duplicates node for a specific dataset returns 0s instead of the correct result.	Workspace
108171	By Group option on node crashed when some groups created downstream docs and some groups did not	Workspace
108174	Nonlinear Estimation Node crash fixed. Node is in Beta Procedures node browser	Workspace

Key	Summary	Module
108176	Auto filter on large spreadsheet causes crash.	Crash Report
108180	Forward stepwise fails in glz when there are long variable names	Generalized Linear/Nonlinear Models module
108185	Spreadsheets printed to separate pages in Report in PDF have variable names improperly wrapped	Reports
108190	Sort Node - Sorts by Variable Numbers instead of Variable Names	Workspace
108201	Releasing thousands of staspreadsheet takes significant time and freezes up analysis dialog	Spreadsheets
108205	Workspace with Prepare SPC charts node takes significantly longer to execute in 13.0	Workspace
108213	Add parameters for ADO timeout and bulk copy threshold to writeback node	Workspace
108235	Scaling (example 125% on display control panel) Display Problem in 13.2. Scaling worked well in 13.0	Statistica
108239	Spreadsheet data reading slow when spreadsheet modified	Spreadsheets
108262	Selection values via iif or match gives erroneous results	Workspace
108285	Improve Statistica logging of node and workspace execution times	Workspace
108286	When fitting multiple distributions, the last graph is always overwritten in the Word output. A workaround is to go to the Word output and press enter to add a blank line.	Distribution Fitting module
108289	Outer Join incorrect with STAOLEDB with NULL values present	Query
108300	Spreadsheet autofilter: allow maximum autofilter columns to be set in StatOpts, provide warning when the limit is exceeded	Spreadsheets
108302	Create a 3D contour plot (Graph - 3D XYZ), using areas as contour style. Open graph options, click surfaces, and go to surface specs. Try select / deselect surface/contour lines and program crashes.	Graphs
108312	#load directive not working in C# nodes.	Workspace
108316	Start any interactive analysis, advance to second dialog and then subset data in place. Return to analysis dialog and crash happened.	Crash Report
108471	Graph lines not rendering to right Y axis	Graphs
108521	Autofilter not working properly with tens of thousands of unique values in a variable	Spreadsheets
108553	Changing formula did not trigger auto-recalculate	Spreadsheets

The table below lists closed issues in version 13.3.0 of Statistica for Statistica Expert Quality Control, Statistica Expert Data Science and Statistica Enterprise.

Key	Summary	Module
107868	Rules Builder performance improved (loading rules builder and navigating, switching between text and tree view)	Rules Builder

The table below lists closed issues in version 13.3.0 of Statistica for Statistica Expert Data Science and Statistica Enterprise.

Key	Summary	Module
107949	Rapid Deployment does not use model names for prediction/residual variables any more.	Rapid Deployment
108233	Performance improved when I-Trees node uses Feature Selection node's variable selections	Workspace

The table lists closed issues in version 13.3.0 of Statistica for Statistica Server.

Key	Summary	Module
101447	Saving changes to Report Configurations performance improved	Enterprise Manager
107782	Object Model: Added a simple API to open Statistica documents from Enterprise Manager. Example: Application.Open("enterprise://path/to/file.sta 123", True), will open the revision 123 of the object.	Enterprise Manager
107814	Explore Data works within Statistica Server	Statistica Server (WebStatistica)
107842	Crash fixed. To replicate crash, user was not administrators/SYSADMIN in Enterprise manager. User login to Enterprise with SDMS integration enabled and was prompted for a change reason, then clicked on Versions button. Fixed starting with V131HFS10.	Enterprise Manager
107856	SDMS approval status is correct on Configurations	Enterprise Manager
107858	Enterprise Ad-hoc analysis configuration with interactive filtering does not run in Webstatistica	Statistica Server (WebStatistica)
107875	Copy to My directory button and the Next button do not work	Statistica Server (WebStatistica)
107876	Filtering on date label via 'Show define data dialog' in Enterprise data configuration node results in an error	Enterprise Manager
107877	Error when migrating DES Characteristic. This issue was introduced in V131HFS06 and fixed in V131HFS14.	Enterprise Manager
107943	SECMU slow to load folder contents after upgrading to 13.1	Enterprise Manager

Key	Summary	Module
107952	Recode node cannot save any parameters when editing after saving in Enterprise Manager	Enterprise Manager
107956	Write back - Oracle Bulk loader adds strings to escape quotes that causes Oracle errors	Enterprise Manager
107957	X-bar and R Characteristic adds Moving average span & Min number of Obs per sample is added in More options when number of decimal places is clicked.	Enterprise Manager
107960	SVB Data Configuration IQC Analyses does not respect sets	Enterprise Manager
107970	This applied only to 64-bit. When using sta_em.exe to send emails based on alarms of IQC analysis it displayed an error. This is now fixed.	Enterprise Manager
107984	Incorrect syntax error when trying to add new data config off data entry set up	Enterprise Manager
107995	Characteristic with Decimal values to be checked and UseEditMaskToEnforcePrecision set to true enters additional 0s	Enterprise Manager
108010	SDMS issue with R/Python nodes - Compare function doesn't work	SDMS
108013	Using a separator causes other separators above or below to be deleted. Fixed in V131HFS19	Enterprise Manager
108016	Data configurations with more than one query generate wrong data	Enterprise Manager
108028	Read only users with Data Admin role or Analysis Admin role can copy read-only General documents.	Enterprise Manager
108048	Dependency Report search can be restricted by folder	Enterprise Manager
108161	Command line for SECMU_CL.exe worked to copy objects between source and destination databases. Example call SECMU_CL.exe SOURCE_CONNECTION="DSN=database1;UID=statistica;PWD=aabbc" SOURCE_UID=Admin SOURCE_PWD=12345 DEST_CONNECTION="DSN=database2;UID=statistica;PWD=123" DEST_UID=su DEST_PWD=5555 ENTERPRISE_OBJECT="/test/TestDepWorkspace" INCLUDE_CONNECTION_OBJECT=1 LOGFILE=c:\out.log DEBUG=1 AUDIT_LOG_REASON="testing"	Enterprise Manager
108189	Temp files are left behind when Workspaces created prior to Version 13 are run	Enterprise Manager
108200	Customer-reported STATCF and partial-WEBSTAT lockups when running scheduled tasks	Statistica Server (WebStatistica)
108247	Autofitting (happens during subset) performance improved	Statistica Server (WebStatistica)

Key	Summary	Module
108256	MinNumberofObsPerSample don't change when changed to IMR	Enterprise Manager
108273	Perserve pending jobs sequence on restart	Statistica Server (WebStatistica)
108275	Editing scheduled monitor loses previous monitor selection	Statistica Server (WebStatistica)
108276	Improved performance when listing batch jobs	Statistica Server (WebStatistica)
108305	SQL Criteria values don't dynamically update the values listed based on query	Enterprise Manager
108308	Enterprise data entry: When changing a label from type sample to piece (previous data entered not displayed in data entry sample)	Enterprise Manager
108348	Values with Single apostophe in SQL criteria causes ORA-01756 in Enterprise Ad-hoc node	Enterprise Manager
108353	Error displayed when logged into WebStatistica and run workspace with PI node	Statistica Server (WebStatistica)
108421	Statistica Server throws client error occuered: CreateList() failed error on attempt to auto-refresh batch jobs	Statistica Server (WebStatistica)
108439	The URI path is invalid or does not exist error while running reports for users without SWS_ADMIN	Statistica Server (WebStatistica)
108451	Updated node named Enterprise Ad Hoc Analysis Data . Customers may wish to update workspaces that use this node. Workspace with the old node fails to prompt for interactive filter when run on Statistica Server	Statistica Server (WebStatistica)
108452	Webstatistica does not Add criteria before Add button is pressed.	Statistica Server (WebStatistica)
108488	SQL Server Stored procedure that determines parameters with ? caused it to use the wrong parameter type	Enterprise Manager

The table lists closed issues in version 13.3.0 of Statistica for Statistica Data Entry Server.

Key	Summary	Module
107752	Search based on Sample status is now localized in French	Data Entry Server

Key	Summary	Module
107755	Calculation speed improved for Data Entry Setup in French locale	Data Entry Server
107820	Improved process to add new piece in Data Entry form	Data Entry Server
107971	Data entry check highlights wrong cells	Data Entry Server
108131	After they click save, it looks like it is complete but isn't. They have to wait for it to flash to the top. If they don't it clears all of the data that they entered.	Data Entry Server
108140	When the query timeout occurs, the system will not refresh the ""link"" you had clicked."	Data Entry Server
108175	Data Entry does not show the user column in Recent samples after clicking on View/Edit/Approve.	Data Entry Server
108296	Improve load time of system view folders	Data Entry Server

The table lists closed issues in version 13.3.0 of Statistica for Statistica Monitoring & Alerting Server.

Key	Summary
107813	Fixed out of memory error when reading tasksets

The table lists closed issues in version 13.3.0 of Statistica for Statistica Live Score Server.

Key	Summary
108020	Workspace unexpectedly slow when the Data Configuration returns more than one case (row of data)
108383	Complex sets of workspaces that imported XML had performance problems

The table lists closed issues in version 13.3.0 of Statistica for Statistica Pharma.

Key	Summary	Module
107893	When selecting a Variable in one of the parameters quotes, "", are automatically generated.	Stability & Shelf-Life Analysis

Key	Summary	Module
107932	Add option to have all calculated stability values (e.g. slope, confidence/prediction interval, intercept) output for each individual batch, even if a pooled model is selected.	Stability & Shelf-Life Analysis
107933	Chart, added new option on Options 2 tab for changing horizontal alignment of graphs	Stability & Shelf-Life Analysis
107994	Node fails to merge residual outlier spreadsheet correctly when user sends residual outlier spreadsheet downstream	Stability & Shelf-Life Analysis
107998	Process Data explorer -- Having to Reenter selections when an error is found	Product Traceability
108089	Stability node fails to merge residual outlier spreadsheet correctly when user sends residual outlier spreadsheet downstream. This is different from 107994. It happened when merging the new outlier spreadsheet to the existing outlier downstream spreadsheet	Stability & Shelf-Life Analysis
108143	Stability and shelf life node now works with Polish regional settings	Stability & Shelf-Life Analysis
108172	Unhelpful error message in Process Data Explorer when an SVB Data Configuration's batch id column does not have filtering enabled	Product Traceability
108356	When running the Stability Analysis node, "Invalid parameter Value (Variable)" error is received.	Stability & Shelf-Life Analysis
108407	When multiple parameters are charted with varying y values, the y-axis auto scaling does not work with parameters of smaller values.	Stability & Shelf-Life Analysis
108431	Stability analysis output ignores bygroup level when only one bygroup level is observed	Stability & Shelf-Life Analysis

System Requirements

Before installing or upgrading to Statistica 13.3, ensure that your system meets the following minimum hardware and software requirements:

We recommend the 64-bit version of Statistica with 64-bit processor and operating system. If the 32-bit version of Statistica must be used, we recommend running it in a 64-bit environment for better performance.

**IMPORTANT**

The 32-bit version of Statistica requires processor support for the SSE2 instruction set. The optional advanced hardware graphics support for transparency requires a graphics card that supports Direct2D.

For integration with Python please use 2.7.11 or 3.5.1. Panda 0.18.1 is also recommended for the extension functions. The comtypes module is required for Python integration.

For R integration, 3.2.1 is supported.

For H2O integration, H2O 3.10.4.7 and sparkling-water-2.1.7 are supported. This runs Spark 2.1.0.

Statistica Single User or Client Workstation*Minimum hardware requirements for standard client configuration*

Requirement	Details
Processor	500 MHz, 32-bit version of Statistica requires processor support for the SSE2 instruction set
Memory	4 GB RAM
Hard disk space for installation	10 GB
Minimum Scratch/Temporary Disk Space	50 GB recommended per user
Operating System	Microsoft Windows™ 7 or above

Recommended hardware requirements for standard client configuration

Requirement	Details
Processor	2.0 GHz, 64-bit, quad core or more
Memory	4 GB RAM or more
Hard disk space for installation	10 GB
Minimum Scratch/Temporary Disk Space	50 GB recommended per user
Operating System	Microsoft Windows™ 8 or above

Recommended hardware requirements for advanced analytic configuration, including data mining applications

Requirement	Details
Processor	2.0 GHz, 64-bit, quad core or more

Requirement	Details
Memory	8 GB RAM or more
Hard disk space for installation	10 GB
Minimum Scratch/Temporary Disk Space	50 GB recommended per user
Operating System	Microsoft Windows™ 8 or above

Statistica Server Database Sizing and Location

Statistica Server requires deployment of a metadata database schema on an ODBC compliant database. Most commonly, it will be deployed on the existing customer DBMS infrastructure, such as Oracle or SQL Server. The system can also deploy SQL Server Express. It supports other DBMS systems as well.

Customers who own Statistica Server also own licensing for the Statistica Document Management Server (SDMS) for managing version and approval history. Installing SDMS is optional, and it has a separate database schema, which is usually deployed to the same DBMS system where the metadata database has been deployed.

The database sizing requirements vary on usage. The actual metadata describing the Statistica objects is small, but the tablespace can be used to store reports and files (Excel, scripts) within the database (stored as BLOBs), which can increase the overall size.

The Statistica Application Server and the metadata database should be installed within the same local area network for performance reasons. The location of the data to be analyzed should also be reviewed when deciding where to install Statistica Server and the metadata database. Depending on the situation, customers may decide to install within their data center or at a local office to avoid transporting big data over a slow network.

Recommended metadata schema database sizing

Requirement	Details
Initial tablespace	1 GB, grow 1 GB intervals
If explicit cap required	100 GB but may need to grow over time
Operating system	Microsoft Windows™ Server 2012 or later

The Statistica Document Management Server schema contains only metadata about the individual document storage. The document storage is kept outside the database; therefore, SDMS tablespace requirements are small.

Recommended SDMS schema database sizing

Requirement	Details
Initial tablespace	100 MB
Network Bandwidth	100 MBits/s or faster
Operating system	Microsoft Windows™ Server 2012 or later

Statistica Server

We recommend that Statistica software be run on a server dedicated to Statistica Server, the Statistica Server Web Server, the Statistica License Manager, and the Statistica Document Management Server (SDMS), independent from any other application software.

The Statistica Server is an analytic engine. Statistica Server application files are stored and Statistica Server scripts are executed here.

In most cases, the Statistica Server will also run the Statistica Server Web Server, the Statistica Document Management server (if applicable), and the Statistica License Manager, which are all required for all concurrently licensed products.

This server may be referred to as the Statistica Application Server or Statistica Server.

Minimum hardware requirements

Requirement	Details
Processor	1 GHz, 32-bit version of Statistica requires processor support for the SSE2 instruction set
Memory	4 GB RAM
Hard disk space for installation	10 GB
Minimum Scratch/Temporary Disk Space	50 GB or more
Network Bandwidth	100 MBits/s or faster
Operating System	Microsoft Windows™ Server 2008 R2 or later

Recommended hardware requirements

Requirement	Details
Processor	2.0 GHz, 64-bit, quad core or more
Memory	8 GB RAM

Requirement	Details
Hard disk space for installation	10 GB
Minimum Scratch/Temporary Disk Space	100 GB or more
Network Bandwidth	100 MBits/s or faster
Operating System	Microsoft Windows™ Server 2012 or later

Software requirements

Requirement	Details
Microsoft Internet Information Server (IIS)	Installed and configured to run ISAPI and CGI applications
Microsoft .NET Framework	Install 3.5 and 4.6.1



IMPORTANT

System Requirements are based on an average size implementation.

These requirements apply to the Statistica Enterprise Server Web Server, Statistica License Manager, and SDMS server (if applicable). If any of these are to be run on a separate server, refer to their specific System Requirements.

Statistica Live Score

We recommend that Statistica Live Score software be run on a server dedicated to Statistica Live Score, independent from any other application software. This is a transaction server with an API.

The Statistica Live Score Server is the analytic engine that receives and executes the scoring/WebService (SOAP) calls for Statistica Live Score. The analytic projects that the server executes are stored in the Statistica Server's metadata database.

Minimum hardware requirements

Requirement	Details
Processor	1 GHz, 32-bit version of Statistica requires processor support for the SSE2 instruction set
Memory	4 GB RAM
Hard disk space for installation	10 GB
Minimum Scratch/Temporary Disk Space	50 GB or more

Requirement	Details
Network Bandwidth	100 MBits/s or faster
Operating System	Microsoft Windows™ Server 2008 R2 or later

Recommended hardware requirements

Requirement	Details
Processor	2.0 GHz, 64-bit, quad core or more
Memory	8 GB RAM
Hard disk space for installation	10 GB
Minimum Scratch/Temporary Disk Space	100 GB or more
Network Bandwidth	100 MBits/s or faster
Operating System	Microsoft Windows™ Server 2012 or later



IMPORTANT

System Requirements are based on an average size implementation. Statistica Live Score applications often benefit from additional cores, depending on how many simultaneous requests are expected.

The Statistica Live Score is part of the Statistica Server platform. Installation of the Statistica Server Application Server must occur prior to the installation of the Live Score Server.

Statistica Monitoring and Alerting Server (MAS)

We recommend that Statistica MAS software be run on a server dedicated to Statistica MAS, independent from any other application software. Users will log onto a web browser to review the red light, yellow light, green light alerts. Alerts can also be configured to be sent by email.

Minimum hardware requirements

Requirement	Details
Processor	1 GHz, 32-bit version of Statistica requires processor support for the SSE2 instruction set
Memory	4 GB RAM
Hard disk space for installation	10 GB
Minimum Scratch/Temporary Disk Space	50 GB or more

Requirement	Details
Network Bandwidth	100 MBits/s or faster
Operating System	Microsoft Windows™ Server 2008 R2 or later

Recommended hardware requirements

Requirement	Details
Processor	2.0 GHz, 64-bit, quad core or more
Memory	8 GB RAM
Hard disk space for installation	10 GB
Minimum Scratch/Temporary Disk Space	100 GB or more
Network Bandwidth	100 MBits/s or faster
Operating System	Microsoft Windows™ Server 2012 or later



IMPORTANT

The Statistica Monitoring and Alerting Server (MAS) is part of the Statistica Server platform. Installation of the Statistica Server Application Server must occur prior to the installation of the MAS Server.

Statistica Server Web Server

The Statistica Server Web Server runs the web scripting language PHP, processes the web pages from the user, and sends them to the Statistica Server Application Server.

Use the following System Requirements in the special situation where the web server portion of Statistica Enterprise Server will be installed on a separate server from the Statistica Server Application Server.

Minimum hardware requirements

Requirement	Details
Processor	1 GHz
Memory	2 GB RAM
Hard disk space for installation	30 GB
Network Bandwidth	100 MBits/s or faster
Operating System	Microsoft Windows™ Server 2008 R2 or later

Recommended hardware requirements

Requirement	Details
Processor	2.0 GHz, 64-bit, quad core or more
Memory	2 GB RAM
Hard disk space for installation	30 GB
Network Bandwidth	100 Mbits/s or faster
Operating System	Microsoft Windows™ Server 2012 or later