

*Enabling Use of the PLS Extension
Command*



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Enabling Use of the PLS Extension Command

The following instructions are for enabling use of the PLS extension command in IBM® SPSS® Statistics and IBM SPSS Statistics Server. These instructions apply after the PLS extension bundle is installed.

Note:

- For users with SPSS Statistics version 21, the PLS extension bundle is installed as part of IBM SPSS Statistics - Essentials for Python, which is provided with your SPSS Statistics product but is installed separately.
- For users with SPSS Statistics version 22 or higher, the PLS extension bundle is installed with IBM SPSS Statistics - Essentials for Python, which is installed by default with your SPSS Statistics product.

Overview of Requirements

Use of the PLS extension command requires the following components:

- The IBM SPSS Statistics - Integration Plug-in for Python. For information on installing the Integration Plug-in for Python, see the topic "How to Get Integration Plug-ins" in the IBM SPSS Statistics help system. The topic is located under **Help>Core System>Frequently Asked Questions**.
- The NumPy and SciPy Python libraries.

Installing NumPy and SciPy

Windows and Mac

Instructions and links for installing NumPy and SciPy for Windows and Mac are available from the topic "Installing the Scipy Stack" at <http://www.scipy.org/install.html>. Users running PASW Statistics 18 or SPSS Statistics 19 must use installers that are built for Python 2.6. Users running SPSS Statistics versions 20 - 22 must use installers that are built for Python 2.7.

Important: For users with SPSS Statistics version 22 or higher:

- If you install a Python distribution that contains NumPy and SciPy, then you must set your Python location (in SPSS Statistics) to the location of that distribution. The Python location is set from the File Locations tab in the Options dialog (**Edit > Options**). For Windows Server users, the Python location on the server is set from the IBM SPSS Statistics Administration Console.
- If you choose to install NumPy and SciPy to an existing Python distribution, then you must install them to a separate distribution of Python from the one that is installed with SPSS Statistics. You must then set your Python location (as described in the previous paragraph) to the distribution of Python where you installed NumPy and SciPy.

Linux

Your distribution's repository might include NumPy and SciPy. If so, you can install NumPy and SciPy from your distribution's standard package manager (such as the RPM Package Manager or the Synaptic Package Manager). For detailed information, see the topic on "Installing the Scipy Stack" at <http://www.scipy.org/install.html>.

Important: For users with SPSS Statistics version 22 or higher, if you choose to install NumPy and SciPy to a different distribution of Python from the distribution that is installed with SPSS Statistics, then you must set your Python location to point to that distribution. The Python location is set from the File

Locations tab in the Options dialog (**Edit > Options**). For reference, the distribution of Python that is installed with SPSS Statistics is located in the Python directory under the location where SPSS Statistics is installed.

Unix Server

Download the source and build NumPy and SciPy. The source is accessible from Sourceforge at <http://sourceforge.net/projects/numpy/files/NumPy/> and <http://sourceforge.net/projects/scipy/files/scipy/>.

Important: For users with SPSS Statistics version 22 or higher, if you choose to install NumPy and SciPy to a different distribution of Python from the distribution that is installed with SPSS Statistics, then you must set your Python location to point to that distribution. The Python location on the server is set from the IBM SPSS Statistics Administration Console. For reference, the distribution of Python that is installed with SPSS Statistics Server is located in the Python directory under the location where SPSS Statistics Server is installed.



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