

PLS Extension Module Installation Instructions

The following instructions are for installing the PLS Extension Module.

Overview of Installation Steps

On the computer where you will use the Extension Module:

- ▶ Install the IBM® SPSS® Statistics application.
- ▶ Install the IBM® SPSS® Statistics - Integration Plug-In for Python.
- ▶ Download and install NumPy and SciPy.
- ▶ Copy the files for the PLS Extension Module to the appropriate location.

Install the IBM SPSS Statistics Application

The PLS Extension Module works with the following applications:

- IBM SPSS Statistics for Windows
- IBM SPSS Statistics Server for Windows
- IBM SPSS Statistics Server for UNIX
- IBM SPSS Statistics for Linux
- IBM SPSS Statistics for Mac OS

There are no additional operating system and hardware requirements for the PLS Extension Module. The PLS Extension Module works with any valid IBM® SPSS® Statistics license.

Follow the instructions provided with the software to install one of the SPSS Statistics applications on the computer where you will install the Extension Module.

Install the IBM SPSS Statistics - Integration Plug-In for Python

Consult the installation instructions provided with IBM® SPSS® Statistics to install the IBM® SPSS® Statistics - Integration Plug-In for Python on the computer where you will install the PLS Extension Module.

Download and Install NumPy and SciPy

The PLS Extension Module requires NumPy and SciPy.

Windows and Mac

- ▶ Install NumPy and SciPy for the version of Python associated with your version of IBM® SPSS® Statistics (Python 2.5 for PASW Statistics 17, Python 2.6 for both PASW Statistics 18 and SPSS Statistics 19, and Python 2.7 for SPSS Statistics 20). The installers are accessible from <http://www.scipy.org/Download>.

Linux

- ▶ Your distribution's repository may include NumPy and SciPy. If so, you can install NumPy using your distribution's standard package manager (such as the RPM Package Manager or the Synaptic Package Manager). The other option is to download the source and build NumPy and SciPy yourself. Detailed information about doing this can be found at http://www.scipy.org/Installing_SciPy/Linux.

UNIX Server

- ▶ Download the source and build NumPy and SciPy. The source is accessible from <http://www.scipy.org/Download>.

Install the PLS Extension Module Files

- ▶ Unzip the package to your local file system.
- ▶ Copy *plscommand.xml* and *PLS.py* to the *extensions* subdirectory under the IBM® SPSS® Statistics installation directory. For Mac, the installation directory refers to the *Contents* directory in the SPSS Statistics application bundle.

Note: For version 18 on Mac, the files can also be placed in */Library/Application Support/SPSSInc/PASWStatistics/18/extensions*. For version 19 and higher on Mac, the files can also be placed in */Library/Application Support/IBM/SPSS/Statistics/<version>/extensions*, where *<version>* is the two digit SPSS Statistics version—for example, 20.

For all platforms other than Mac, if you do not have permissions to write within the SPSS Statistics installation directory or would simply like to store *plscommand.xml* and *PLS.py* elsewhere, you can specify one or more alternate directories by defining the *SPSS_EXTENSIONS_PATH* environment variable. When present, the paths specified in *SPSS_EXTENSIONS_PATH* take precedence over the *extensions* subdirectory of the SPSS Statistics installation directory. The *extensions* subdirectory is always searched after any locations specified in the environment variable. For multiple locations, separate each with a semicolon on Windows and a colon on UNIX systems.

Note: You can always store *PLS.py* to a location on the Python search path, such as the Python *site-packages* directory. The file *plscommand.xml*, however, must be stored in the *extensions* directory or a directory specified in *SPSS_EXTENSIONS_PATH*.