

SAS® University Edition for Virtualization Software

SAS® University Edition is free SAS software you can use from your PC, Mac or Linux. The program features Base SAS, SAS/STAT®, SAS/IML®, and SAS/ACCESS®. SAS works through virtualization software via your browser in standalone mode once you download it to your PC, Mac or Linux workstation.

Operating System Requirements

Microsoft Windows 7 or later

- ❖ 64-bit hardware with a minimum of 1GB of RAM and one or two processors
- ❖ One of the following virtualization software packages:
 - VMware Player 6.0 or later
 - Oracle VirtualBox 4.3.10 or later

Mac OS X 10.8 or later

- ❖ 64-bit hardware with a minimum of 1GB of RAM and one or two processors
- ❖ One of the following virtualization software packages:
 - VMware Fusion for OS X 6.0
 - Oracle VirtualBox 4.3.10 or later

Linux operating environment

- ❖ x86-64 hardware with a minimum of 1GB of RAM and one or two processors
- ❖ One of the following virtualization software packages:
 - VMware Player for Linux 6.0 or later
 - Oracle VirtualBox 4.3.10 or later

One of the following web browsers:

- Apple Safari 6.0 or later
- Mozilla Firefox 21 or later
- Google Chrome 27 or later

How to Download SAS® University Edition

Visit this link. There will be instructions and a list of steps to follow on this webpage:

http://www.sas.com/en_us/software/university-edition/download-software.html

You need virtualization software to run SAS University Edition because it is a virtual application (or [vApp](#)). See below for the **Quick Start Guide** for virtualization software. Virtualization software allows your computer to host one or more virtual environments. Virtualization software is most often used to emulate an Operating System (O/S) in order to allow a *guest* O/S to be run, for example allowing Linux to run as a guest on top of a PC that is natively running a Microsoft Windows operating system (or the inverse, running Windows as a guest on Linux).

Quick Start Guide for Oracle VirtualBox

Compatible virtualization software packages are listed in the table below. VirtualBox is free to download.

Windows	Oracle VirtualBox 4.3.10 or later	VMware Player 6.0 or later
OS X	Oracle VirtualBox 4.3.10 or later	VMware Fusion for OS X 6.0
Linux	Oracle VirtualBox 4.3.10 or later	VMware Player for Linux 6.0 or later

Note that the following instructions are for using **Oracle VirtualBox** in Windows, Macintosh, and Linux operating environments.

Step 1: Install Virtualization software (e.g. Oracle VirtualBox) and download the SAS University Edition vApp.

- a. If you don't already have compatible virtualization software, get the free [Oracle VirtualBox](#) using this link <https://www.virtualbox.org/wiki/Downloads>.
- b. See the SAS University edition download page (http://www.sas.com/en_us/software/university-edition/download-software.html). When downloading the SAS University edition vApp, you might be prompted by your browser to save or run the file. Click **SAVE** to save the file in your downloads directory.

Step 2: Add the SAS University Edition vApp to VirtualBox.

- a. Launch VirtualBox, and then select File> Import Appliance.
- b. Select the SAS University Edition vApp (OVA file) and click **Open**.
- c. Click **Next** and then click **import**.

Step 3: Create a Local Folder for your data and results

- a. Create a folder on your hard drive called SASUniversityEdition and a subfolder called 'myfolder'. You will save all of your SAS University edition files to this location.
- b. Go to VirtualBox, **select** the **SAS University Edition vApp**, and then **select** Machine > settings.
- c. In the navigation pane of the Settings dialog box, **select Shared Folders**, and then click.
- d. In the Add Share dialog box, select **Other** as the folder path. In the Browse for Folder window, open the SASUniversityEdition folder and select the 'myfolder' subfolder. Click **OK** (or **Choose**, depending on your operating system).
- e. In the Add Share dialog box, confirm that **Read-only** is not selected, and then select the Auto-mount and **Make Permanent** (if available) options. Click **OK**.
- f. Click **OK** to close the Settings dialog box.

Step 4: Download SAS University Edition.

Choose the appropriate download file for your virtualization software package. You will then be prompted to:

- a. Create or sign in to your SAS profile.
- b. Accept the user licensing agreement.
- c. Begin the download.

Note: The file is over 1.4GB.

The screenshot displays two side-by-side panels. The left panel, titled 'Already Have a Profile?', contains a login form with fields for 'Email:' and 'Password:', a 'Keep me logged in' checkbox, and a 'Login' button. Below the form are links for 'Forgot Password?', 'Need Help?', and 'Chat Now'. The right panel, titled 'New User?', features the text 'Create your profile to take full advantage of our site.' and a 'Create' button. Below this is a section 'Why Create a Profile?' with links for 'Get social - join SAS communities.', 'Get help - follow your tech support questions.', 'Get software - download software/hot fixes.', and 'Get informed - manage e-learning/newsletters.'

Step 5: Start the SAS University Edition vApp.

In VirtualBox, select the SAS University Edition vApp, and then select **Machine > Start**.

It might take a few minutes for the virtual machine to start. When the virtual machine is running, the screen with the SAS logo is replaced with a black console screen (called the Welcome window). You can minimize this window, but do not close it.

Step 6: Open the SAS University Edition.

- a. In a web browser on your local computer, enter `http://localhost:10080`
- b. From the SAS University Edition: Information Center, click **Start SAS Studio**.

Note: There are additional resources and videos available online through SAS. You will have access to these videos and more resources after you create your SAS user profile.