

# JMP<sup>®</sup> 5 Administrator's Guide to Annually Licensed Windows and Macintosh Versions

Release 5.0.1

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JMP<sup>®</sup> 5 Administrator's Guide to Annually Licensed Windows and Macintosh Versions

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# Introduction

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## Overview

This guide was written for JMP 5, release 5.0.1 and higher. If you are using JMP 5, release 5.0, please refer to the JMP Administrator's Guide written for that version.

This document describes how site administrators can install and renew annually licensed versions of JMP. An *annually licensed* version of JMP is a protected version that expires at the end of a license period. The version will only run when the appropriate and valid permission file, named JMP.PER, is present. A valid JMP.PER file allows the use of JMP until the expiration date specified (plus a grace period for renewal).

The structure of the JMP.PER file was changed for JMP 5 release 5.0.1. These fields were added: (1) Language, (2) Execution Mode, (3) Release, and (4) Start date. The JMPADMIN application was modified to read and write in the new format. If you are using a JMP.PER file for JMP 5 Release 5.0 or any release of JMP 4, be sure to use the previous version of the JMPADMIN application provided with the original software.

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**Note:** The *only* way that a JMP.PER file can be modified is by using the JMPADMIN application included on the original JMP CD. Although the JMP.PER file contains text that appears to be editable using a text editor, do not do so. Altering the JMP.PER file by any method other than using the JMPADMIN application will destroy the integrity of the file; JMP *will not run* after corrupting the JMP.PER file in this way.

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Note that the Windows<sup>®</sup> and Macintosh<sup>®</sup> applications of JMPADMIN are different.

This document is organized as follows:

**Introduction** Addresses basic information that applies to both the Windows and Macintosh platforms.

**Admin Guide for Windows** Instructions for installing the annually licensed version of JMP on the Windows Platform. Also includes information on client/server installation.

**Admin Guide for Macintosh** Instructions for installing the annually licensed version of JMP on the Macintosh Platform.

**Contacting Technical Support** Information on obtaining help.

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## JMP.PER file FAQ

### *What is a JMP.PER file?*

An annually licensed version of JMP is a protected version that expires at the end of a license period. The version will only run when the appropriate permission file, named JMP . PER file, is present and valid. A valid JMP . PER file will allow the use of JMP until the expiration date specified (plus a grace period for renewal).

When JMP is installed, the JMP . PER file on the JMP CD is copied and will become the JMP . PER file used by JMP. This is the JMP . PER file that needs to be modified when you receive new JMP . PER permission information.

The *only* way that a JMP . PER file can be modified is with the JMPADMIN application included on the original JMP CD. The Windows and Macintosh applications of JMPADMIN are different. Use the application that came on the CD for the operating system you need to modify.

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**Warning:** Although the JMP . PER file contains text that appears to be editable using a text editor, *do not do so*. Using a text editor to alter a JMP . PER file will destroy the integrity of the file and render the JMP . PER file unusable. JMP *will not run* after corrupting the JMP . PER file in this way.

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### *How is a JMP.PER file received?*

This depends on your customer status.

#### **New Customers**

A new customer of JMP will receive a CD with a JMP . PER file already on it. This file has an expiration date set at 30 days into the future. As soon as payment for JMP is received, revised JMP . PER file information will be sent, on paper, to the customer. (For an example, see **Figure 1**.)

**Figure 1** Sample update information for the JMP . PER file

```

/* BATCH SETINITS FOR                RAH 26APRO2 WNDW */
JMP License
Platform=Windows
Product=JMP
Release=5.0.x
Language=English
LType=SiteLicense
EMode=Full
SiteID=12345
MaxNUsers=100
Starts=01JAN2002
Expires=14APR2003
Password=123454321

```

Using the JMPADMIN application, the administrator must do the following:

- 1 Open the JMP . PER file using the JMPADMIN application.
- 2 Enter information in all fields to match the JMP . PER data provided on paper.

- 3 Save the file.
- 4 Send the new file to all those users who need it.

### Existing Customers

**New Software** An existing customer of JMP, receiving new software, has a valid JMP . PER file already on the CD. The JMP . PER file will have the expiration date set based on the current contract terms in place. The software (with this permission file) is ready to install.

**License Renewal and Changes** An existing customer will receive license renewal information on paper. (For an example, see **Figure 1.**) This information is needed to update the existing JMP . PER file. Using the JMPADMIN application, the administrator must do the following:

- 1 Open the JMP . PER file using the JMPADMIN application.
- 2 Enter information in all fields to match the JMP . PER data provided on paper.
- 3 Save the file.
- 4 Send the new file to all those users who need it.

### ***When will you receive a new JMP.PER on paper?***

You will receive updated JMP . PER file information on paper if any part of your license agreement changes. (Examples include: if you renew your license or if you increase the number of users.) It will be mailed to the address on record for the JMP Administrator.

### ***How should the JMP.PER file be administered?***

All users of JMP will need to have a JMP . PER file that can be accessed from their local computers. This process differs between Windows and Macintosh operating systems. Follow the directions provided in this document according to which operating system you are using.

### ***Why did the JMP.PER file change for release 5.0.1?***

The structure of the JMP . PER file was changed for JMP 5 release 5.0.1. These fields were added: (1) Language, (2) Execution Mode, (3) Release, and (4) Start date. The JMPADMIN application was modified to read and write in the new format. If you are using a JMP . PER file for JMP 5 Release 5.0 or any release of JMP 4, be sure to use the previous version of the JMPADMIN application provided with the original software.

If you try to open a JMP . PER with an invalid JMPADMIN application, you will receive an error. Be sure that you use the correct JMPADMIN application for the release of JMP you are working with.

Some customers will receive paper license updates for both JMP 5 and JMP 5.0.1 when they renew. The different pages of JMP . PER information can be distinguished by looking at the fields of data on the printout. As always, if you have any concerns, please contact JMP Technical Support.

# Admin Guide for Windows

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## JMP.PER File Update Information

Updating the JMP .PER file depends on your customer status.

### New Customers

A new customer of JMP will receive a CD with a JMP .PER file already on it. This file has an expiration date set at 30 days into the future. As soon as payment for JMP is received, revised JMP .PER file information will be sent, on paper, to the customer. Using the JMPADMIN application, the administrator must do the following:

- 1 Open the JMP .PER file using the JMPADMIN application.
- 2 Enter information in all fields to match the JMP .PER data provided on paper.
- 3 Save the file.
- 4 Send the new file to all those users who need it.

### Existing Customers

#### New Software

An existing customer of JMP, receiving new software, has a valid JMP .PER file already on the CD. The JMP .PER file will have the expiration date set based on the current contract terms in place. The software (with this permission file) is ready to install.

#### License Renewal and Changes

An existing customer will receive license renewal information on paper. (For an example, see **Figure 1**.) This information is needed to update the existing JMP .PER file. Using the JMPADMIN application, the administrator must do the following:

- 1 Open the JMP .PER file using the JMPADMIN application.
- 2 Enter information in all fields to match the JMP .PER data provided on paper.
- 3 Save the file.
- 4 Send the new file to all those users who need it.

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## Installing JMP

The Windows version of JMP 5 requires that the installation of JMP on the local PC points to a valid JMP .PER file on either the local drive or a network drive. Typically, JMP is installed from the CD directly onto the user's PC, with all files residing on the local PC.

Some JMP Administrators may prefer to have users install JMP from a network drive rather than passing around the CD. The administrator can also choose to either have the users point their JMP applications to a network location for the JMP .PER file or have the users keep a version of the JMP .PER file on each individual's PC.

JMP can also be installed on as a client/server basis, with the application and the JMP .PER file residing on a network drive and user running the JMP application as clients.

All of these configurations are possible with the software found on the JMP CD.

## Installation to Local PC

You can install JMP to users' local PCs using one of three different methods.

### Install directly from the JMP CD

One way to accomplish the installation of JMP is to simply pass the CD from user to user, with each user installing on their local PC. As long as the number of installations is not greater than the licensed number of users, this may be the easiest way to deploy JMP.

### Install from network (JMP.PER on local PC)

- 1 Copy the JMP folder from the CD to network space.
- 2 Point the users to the folder, where each one clicks on **setup.exe** to install the JMP application.

### Install from network (JMP.PER on network)

For ease of maintenance of the JMP .PER file, you may wish to place the JMP .PER file in a secured area on a network drive. As long as each user can point to it, there won't be any problems. To accomplish this:

- 1 Copy the JMP folder from the CD to network space.
- 2 *Move* the JMP .PER file to a separate network space.
- 3 Ensure all users have both the location of the network folder that contains the copy of the CD and the location of the network folder that contains the JMP .PER file.

Each user then follows these instructions:

- 1 To install JMP, click on **setup.exe**.

At the end of the installation, a dialog box appears, warning about a missing JMP .PER file (see **Figure 2**).

**Figure 2** Information Window



## 2 Click OK.

The installation process is complete.

## 3 Start the JMP application.

When users first run JMP, they will be asked to find the JMP .PER file (see **Figure 3**). Doing so adds the JMP .PER file location to the Windows registry.

**Figure 3** Locating the JMP .PER file

4 Navigate to the network location of the JMP .PER file and click **Open**.

The users will not need to locate the JMP .PER file again. As long as the users have access across the network to this file, the JMP application will run properly.

## Client/Server Installation on a Network

You can install JMP to a network server and then have the users run JMP from the network as clients. This requires the installation of the JMP 5 Client program, contained in the JMPADMIN folder of the CD, on each user's PC.

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**Note:** JMP 5 Client and JMP use the same registry entries, so it is not wise to install both programs onto the same PC.

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### Installation Steps

The administrator should do the following:

- 1 Install JMP to temporary network space.
- 2 *Copy* JMP from temporary space to usable network space.

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**Note:** This step is necessary to ensure the stability of JMP files if the administrator de-installs JMP, which will then only impact the original installed files and not the copy.

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- 3 Send the JMP5CLIENT application folder to each user that needs it.
- 4 Send each user the exact path to the installed files of JMP on the network (from Step 2).
- 5 Send each user the exact path to the location of the JMP .PER file (if different than in Step 4).
- 6 Have the users run **setup.exe** in the JMP5CLIENT folder on their PCs.



## JMP Preference Settings

The Windows release of JMP will allow the user to save all preference settings so that these settings remain from one session to another. The settings are contained in the JMP.PFS file, which is normally in the same folder on the PC as the JMP executable.

If you have elected a client/server installation of JMP, then the default path for the JMP.PFS file will be to the network folder. This path will always be inside of the local PC registry and can be changed very easily with JMP. It is highly recommended that with the client/server installation of JMP, you follow some easy steps to ensure that one user's preferences do not overwrite those of the other users.

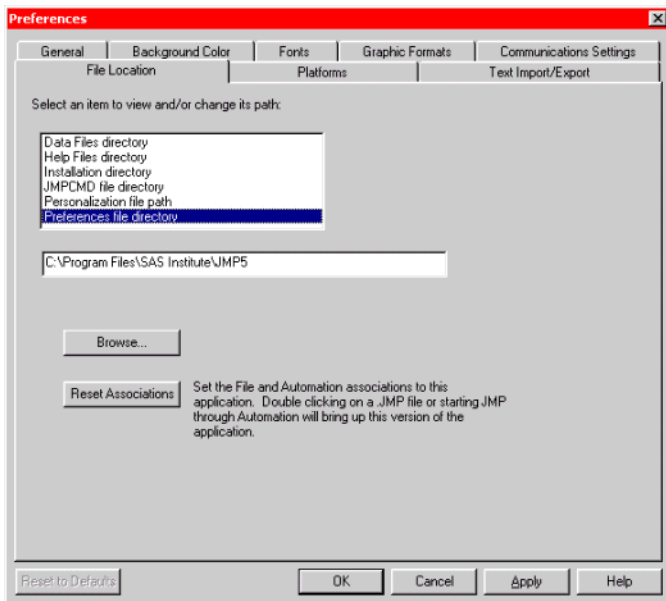
After installing to network:

- 1 Make the JMP folder **Read Only**.
- 2 Advise the clients to create a JMP folder on their local PC to hold their preference files.

To do so, have each client:

- 1 Start the JMP application.
- 2 Click on **Preferences** from the JMP Starter window (see **Figure 4**).

**Figure 4** Preferences Window



- 3 Click on the **File Location** tab.
- 4 Select **Preferences file directory**.
- 5 Change the path from the network location to the PC location.

## JMPADMIN Application

The JMPADMIN application is the JMP-supplied tool for you to use to change and save changes to your JMP .PER file. The *only* way that a JMP .PER file can be modified successfully is by using the JMPADMIN application included on the original JMP CD. Although the JMP .PER file contains text that appears to be editable using a text editor, do not do so. Altering the JMP .PER file by any method other than using the JMPADMIN application will destroy the integrity of the file; JMP *will not run* after corrupting the JMP .PER file in this way.

The JMPADMIN application can be found in the JMPADMIN folder on the CD. It is your responsibility to change the file and then distribute that file to your users based on the installation method of JMP that was used.

You will receive a piece of paper with the data necessary to alter your JMP .PER file. (See **Figure 7** for an example of a paper renewal information.) Have that paper with you when you enter the JMPADMIN application.

### Steps needed to change the JMP .PER file.

- 1 Start the JMPADMIN application (see **Figure 5**).

**Figure 5** The JMPADMIN application window

The screenshot shows the 'JMPAdmin 5.0.1 Supply Setinit Information' dialog box. It features a red title bar and a grey background. The dialog is organized into several sections:

- Platform:** A dropdown menu set to 'Windows'.
- Product:** A dropdown menu set to 'JMP'.
- License Type:** A dropdown menu set to 'Site'.
- Language:** A dropdown menu set to 'English'.
- Execution Mode:** A dropdown menu set to 'Full'.
- Release:** A dropdown menu set to '5.0.x'.
- Fields:** A series of input fields with labels and status indicators:
  - Site ID: [Required]
  - Maximum number of total users allowed: [Required]
  - Starts: 8/29/02 [Required]
  - Expires: 8/29/02 [Required]
  - Password: [Required]
  - Administrator Name: [Required]
  - Organization: [Required]
  - Department: [Optional]
- Buttons:** On the right side, there are buttons for 'Done', 'Open...', 'Save...', and 'Print...'.

- 2 Click **Open**.
- 3 In the Open File window, navigate to the existing JMP .PER file. The information from the JMP .PER file appears in the JMPADMIN application window (see **Figure 6**).

Figure 6 Example of original JMP .PER file information

**JMPAdmin 5.0.1 Supply Setinit: Information**

Platform	Product	License Type
Windows	JMP	Site
Language	Execution Mode	Release
English	Full	5.0.x
Site ID:	12345	[ Required ]
Maximum number of total users allowed:	100	[ Required ]
Starts:	1/ 1/01	[ Required ]
Expires:	4/14/02	[ Required ]
Password:	123123123	[ Required ]
Administrator Name:	Dr. Thompson	[ Required ]
Organization:	ABC Research & Development	[ Required ]
Department:	Statistical Analysis	[ Optional ]

Buttons: Done, Open..., Save..., Print...

- Change necessary information to match the paper license renewal information received in the mail.

See **Figure 7** for an example of a paper renewal information and **Figure 8** for the corresponding changes made in the JMPADMIN application.

Figure 7 Example of license renewal information

```

/* BATCH SETINITS FOR                RAH 26APR02 WNDW */
JMP License
Platform=Windows
Product=JMP
Release=5.0.x
Language=English
LType=SiteLicense
EMode=Full
SiteID=12345
MaxNUsers=100
Starts=01JAN2002
Expires=14APR2003
Password=123454321

```

In this example, all that is needed to change are the Expires field and Password field (see **Figure 8**).

Figure 8 Example of updated JMP .PER file information

The screenshot shows the 'JMPAdmin 5.0.1 Supply Setinit Information' dialog box. It features a red title bar and a standard Windows-style interface. The fields are organized into three columns at the top and a larger section below. The top row contains 'Platform' (Windows), 'Product' (JMP), and 'License Type' (Site). The second row contains 'Language' (English), 'Execution Mode' (Full), and 'Release' (5.0.x). Below these are several text input fields with labels and requirements: 'Site ID' (12345, [ Required ]), 'Maximum number of total users allowed' (100, [ Required ]), 'Starts' (1/ 1/02, [ Required ]), 'Expires' (4/14/03, [ Required ]), 'Password' (123454321, [ Required ]), 'Administrator Name' (Dr. Thompson, [ Required ]), 'Organization' (ABC Research & Development, [ Required ]), and 'Department' (Statistical Analysis, [ Optional ]). On the right side, there are buttons for 'Done', 'Open...', 'Save...', and 'Print...'.

- 5 Verify changes are correct (match the paper license update).
- 6 Click **Save**.
- 7 Navigate to where you want to save the file.
- 8 Click **Save**.
- 9 Distribute the revised JMP .PER file as needed.

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## Windows Client/Server FAQ

### *JMP 5 Client Q&A*

**Benefit Statement:** Running JMP in a client-server configuration on a Windows network allows an IT department to have one central location where the software resides (in other words, on the server). Therefore, IT can ensure that the software is always up-to-date and can better administer its usage and licensing.

### ***Why would I want a network-only installation of JMP?***

Most users will experience optimum performance and convenience from a complete local installation. However, running JMP in a client-server configuration on a network allows site administrators to have one central location where the software resides, making it easier to ensure that the software is always up to date and its usage is in full compliance with the terms of the license agreement.

**How do I set up a network-only installation of JMP?**

First, install JMP 5 to a network folder with appropriate permissions and then either configure each client machine yourself or else instruct the licensed JMP users to do so. Follow the instructions given in “Client/Server Installation on a Network” on page 6.

**How does the IT manager set up an individual client PC to execute JMP?**

The IT manager needs to run the install program (JMP 5 Client) on *each* client PC to configure the client PC. This program updates the Windows registry on the client PC and installs SAS Local Data Provider.

**Do any JMP files exist on the individual client PC?**

If users want to have individual JMP preferences (personal settings), each one must go open the preference settings of JMP and change the location of the preference files. With the default settings, if a user changes the background color to red and saves that preference, *all* users will have a red background.

To prevent this from happening, the JMP.PFS file could be set by the administrator as read-only. The better way would be for each user to have individual places to store their personalized setting for Preferences File Directory and the JMPCMD File Directory.

There are no additional files stored on the users' PCs unless they choose to store JMP data tables locally. Users should store their preference files (JMP.PFS) on their local machines. If not, someone else will overwrite the preference setting. Also, the individual users may not (and probably should not) have write access to the directory where JMP is stored on the server. IT managers are advised to force users to store data tables locally, or on their server space, but *not* in the network directory where JMP is stored.

**What sharing permissions are needed?**

The JMP 5 folder should only be accessible to those users who are licensed to run JMP.

Most JMP users should *not* have write access to the network JMP 5 folder, nor its subfolders.

Shared JMP documents (data tables, journals, scripts, etc.) should generally be stored in separate folders or subfolders that have appropriate read/write permission settings.

**Where does the actual computing take place when running JMP over a network?**

Although JMP is physically installed on the server, all processing takes place on the individual client machines. Therefore, the client machine's processor speed and available memory are important; the server's is not.

***How does this affect the size of a data table that can be opened in JMP?***

This is not really a JMP Client issue. The size of a data table that can be opened in JMP depends upon the amount of RAM on the individual client PC.

***How does JMP handle multiple users trying to access the same data?***

JMP has no special facilities for managing shared JMP documents; standard file server behaviors apply. The first user to open a JMP document gets both read and write access, but any users who open it subsequently are warned that the document is read-only and they will be unable to save changes.

***Can I have the SAS Local Data Provided (SASLDP) on the network also?***

No, the SASLDP must be on the local, client hard drive. It only takes up about 1 MB of space.

# Admin Guide for Macintosh

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## JMP.PER File Update Information

Updating the JMP.PER file depends on your customer status.

### New Customer

A new customer of JMP will receive a CD with a JMP.PER file already on it. This file has an expiration date set at 30 days into the future. As soon as payment for JMP is received, revised JMP.PER file information will be sent, on paper, to the customer. Using the JMPADMIN application, the administrator will need to create a new JMP.PER file and send the new file to all those users who need it.

### Existing Customer

#### New Software

An existing customer of JMP, receiving new software, has a valid JMP.PER file already on the CD. The JMP.PER file will have the expiration date set based on the current contract terms in place. The software (with this permission file) is ready to install.

#### License Renewal and Changes

An existing customer will receive license renewal information on paper. (For example, see **Figure 10**.) This information will be needed to update the existing JMP.PER file. Using the JMPADMIN application, the administrator must do the following:

- 1 Create a new JMP.PER file with all data supplied.
- 2 Save the file.
- 3 Send the new file to all those users who need it.

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## Installing JMP

The installation of the Macintosh version of JMP 5 will place the JMP.PER file into the JMP application package, named JMP.APP. As with all files in the JMP.APP application package, the JMP.PER file will be hidden from normal folder view. JMP will only work if the JMP.PER file is in this location. **Note:** The location of the JMP.PER file in JMP 5 is different than in previous versions of JMP.

You can install the Macintosh version of JMP 5 using one of two methods.

### Install directly from the JMP CD

One way to accomplish the installation of JMP is to simply pass the CD from user to user, with all users installing on their local Macs. As long as the number

of installations is not greater than the licensed number of users, this may be the easiest way to deploy JMP.

## Install from network

- 1 Copy the JMP Installer and the JMP .PER file from the original CD to a folder on the network.
- 2 Ensure all users have access to the folder and know its location, where they simply click on the JMP installer program.

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**Note:** It is *critical* that both the installer and JMP .PER file are copied from the CD. JMP *will not* install properly if the JMP .PER file is not in the folder with the JMP installer.

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## JMPADMIN Application

The JMPADMIN application is the JMP-supplied application for creating and changing your JMP .PER file. The *only* way that a JMP .PER file can be modified is with the JMPADMIN application included on the original JMP CD.

Although the JMP .PER file contains text that seems like a text editor can change, *do not do so*. Using a text editor to alter a JMP .PER file will destroy the integrity of the file and make the JMP .PER file unusable. JMP *will not run* after corrupting the JMP .PER file in this way.

The JMPADMIN application can be found in the JMP Admin folder on the CD. It is the administrator's responsibility to change the file and then distribute the file to the users.

You will receive a piece of paper with the data necessary to alter your JMP .PER file. Have that paper with you when you enter the JMPADMIN application.

## Administrator Steps

- 1 Create a folder on a network volume (for example, named JMP UPDATE FILES).
- 2 Copy the JMPADMIN application from the CD to the folder you created.
- 3 Start JMPADMIN (see **Figure 9**).



Figure 9 The JMPADMIN application window

The screenshot shows the JMPADMIN application window with the following fields and values:

- Platform: Macintosh
- Product: JMP
- Release: 5.0.x
- Language: English
- Required section:
  - License Type: Site License
  - Execution Mode: Full
  - Site ID: (empty)
  - Maximum Users: (empty)
  - Starts: 8/29/02
  - Expires: 12/31/02
  - Password: (empty)
  - Administrator Name: (empty)
  - Organization: (empty)
- Optional section:
  - Department: (empty)

4 Enter information in all fields to match the JMP.PER data provided on paper.

See Figure 10 for an example of a paper renewal information and Figure 11 for the corresponding changes made in the JMPADMIN application.

Figure 10 Example of license renewal information

```

/* BATCH SETINITS FOR           RAH 26APR02 MAC */
JMP License
Platform=Macintosh
Product=JMP
Release=5.0.x
Language=English
LType=SiteLicense
EMode=Full
SiteID=12345
MaxUsers=100
Starts=01JAN2002
Expires=14APR2003
Password=123454321

```

Figure 11 Example of updated JMP .PER file information

The screenshot shows a window titled "JMP.per" with the following fields and values:

- Platform: Macintosh
- Product: JMP
- Release: 5.0.x
- Language: English
- Required**
  - License Type: Site License
  - Execution Mode: Full
  - Site ID: 12345
  - Maximum Users: 100
  - Starts: 1/ 1/02
  - Expires: 4/14/03
  - Password: 123454321
  - Administrator Name: Dr. Thompson
  - Organization: ABC Research & Development
- Optional**
  - Department: Statistical Analysis

- From the **File** menu, select **Save As**, and save the JMP .PER file into the folder you created in Step 1.
- Point users to the folder on the network.

## User Steps

- Open the JMPADMIN application on the network volume location supplied by your administrator.
- From the **File** menu, select **Open** and open the JMP .PER file in that network folder.
- From the **File** menu, select **Install**.
- Navigate to the location of your JMP Application.
- Click on the JMP Application icon.
- Click **Open**.
- Close the JMP .PER file and the JMPADMIN application.
- JMP is now ready to run with the new information in the JMP .PER file.

## Contacting Technical Support

If you encounter errors or have questions regarding the installation, you can contact SAS Institute Technical Support by telephone, fax, web, or e-mail. When contacting Technical Support, provide your Site ID number. Support cannot be provided without a valid Site ID number.

SAS Institute Inc.  
SAS Campus Drive  
Cary, NC 27513  
U.S.A.

Telephone 919.677.8008 (9am–5pm Eastern Time, during SAS Institute business days)

Fax 919.677.4444

Email: [support@sas.com](mailto:support@sas.com)

<http://www.jspdiscovery.com>

Electronic mail support is available through the Electronic Mail Interface to Technical Support (EMITS). This facility allows you to track a technical support problem or add information to a previously reported problem via email. To obtain more information on EMITS, send electronic mail to [support@sas.com](mailto:support@sas.com) with the body of the message containing the command:

`help`

