C H A P T E R

1

Introduction to SAS Enterprise Miner

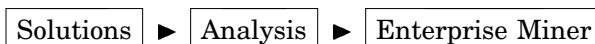## Starting Enterprise Miner

To start Enterprise Miner, start SAS and then type `miner` on the SAS command bar. Submit the command by pressing the Return key or by clicking the check mark icon next to the command bar.
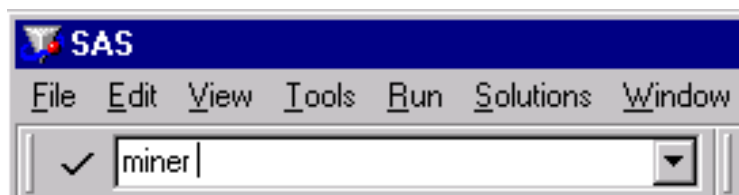
Alternatively, select from the main menu

Solutions ▶ Analysis ▶ Enterprise Miner

For more information, see *Getting Started with SAS Enterprise Miner*.

Setting Up the Initial Project and Diagram

Enterprise Miner organizes data analyses into projects and diagrams. Each project may have several process flow diagrams, and each diagram may contain several analyses. Typically each diagram contains an analysis of one data set.

Follow these steps to create a project.

1 From the SAS menu bar, select

File ► New ► Project

2 Type a name for the project, such as My Project.

3 Select the **Client/server project** check box if necessary.
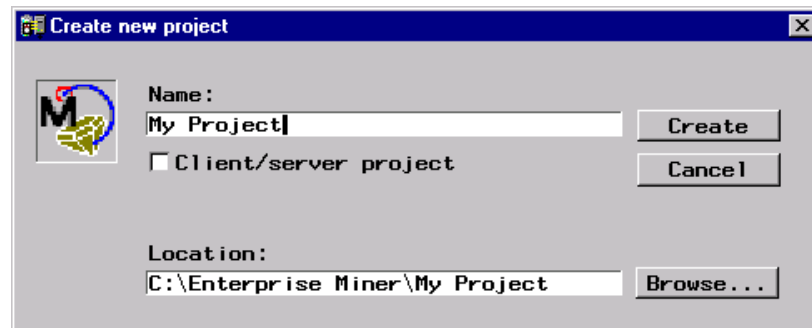
Note: You must have the access to a server that runs the same version of Enterprise Miner. For information about building a client/server project, see *Getting Started with SAS Enterprise Miner* or the online Help. △

4 Modify the location of the project folder by either typing a different location in the **Location** field or by clicking Browse .

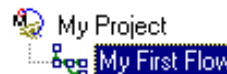**5** Click Create . The project opens with an initial untitled diagram.

6 Select the diagram title and type a new name, such as My First Flow.

Identifying the Interface Components
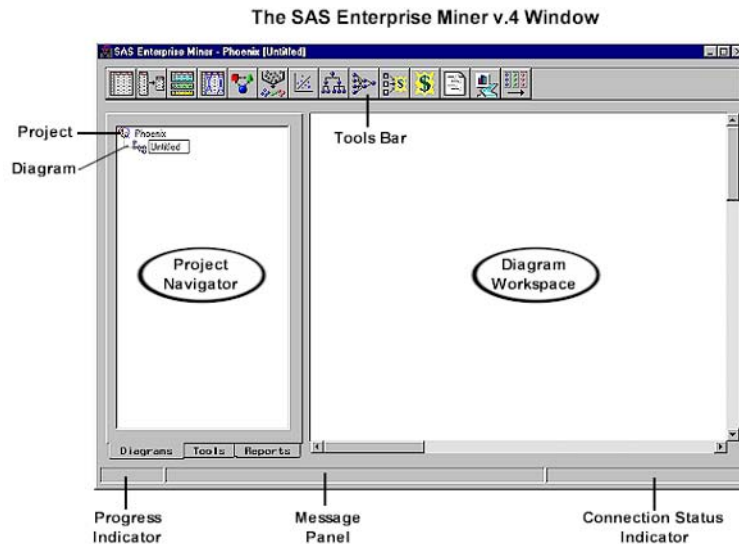
The SAS Enterprise Miner window contains the following interface components:

The SAS Enterprise Miner v.4 Window

- □ Project Navigator — enables you to manage projects and diagrams, add tools to the Diagram Workspace, and view HTML reports that are created by the Reporter node. Note that when a tool is added to the Diagram Workspace, the tool is referred to as a node. The Project Navigator has three tabs:

    - □ Diagrams tab — lists the current project and the diagrams within the project. By default, the project window opens with the Diagrams tab activated.

    - □ Tools tab — contains the Enterprise Miner tools palette. This tab enables you to see all of the tools (or nodes) that are available in Enterprise Miner. The tools are grouped according to the SEMMA data-mining methodology.

        Many of the commonly used tools are shown on the Tools Bar at the top of the window. You can add additional tools to the Tools Bar by dragging them from the Tools tab onto the Tools Bar. In addition, you can rearrange the tools on the Tools Bar by dragging each tool to a new location on the Tools Bar.

    - □ Reports tab — displays the HTML reports that are generated by using the Reporter node.

- □ Diagram Workspace — enables you to build, edit, run, and save process flow diagrams.

- □ Tools Bar — contains a customizable subset of Enterprise Miner tools that are commonly used to build process flow diagrams in the Diagram Workspace. You can add or delete tools from the Tools Bar.

- □ Progress Indicator — displays a progress indicator bar that indicates the execution status of an Enterprise Miner task.

- □ Message Panel — displays messages about the execution of an Enterprise Miner task.

- □ Connection Status Indicator — displays the remote host name and indicates whether the connection is active for a client/server project.