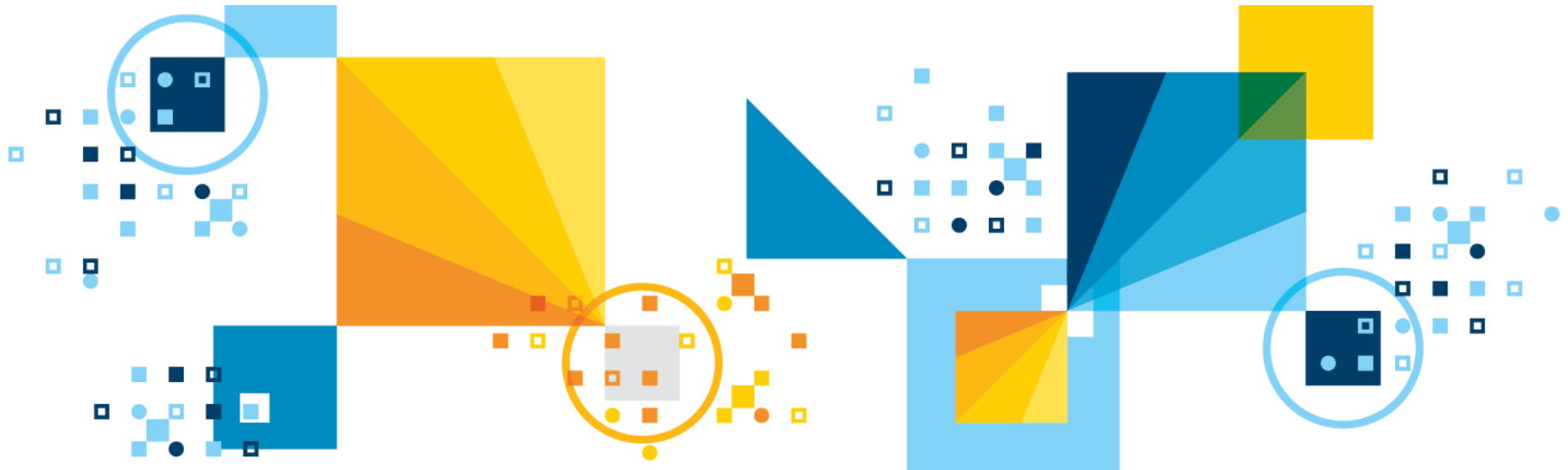


Predictive Modeling Fundamentals I

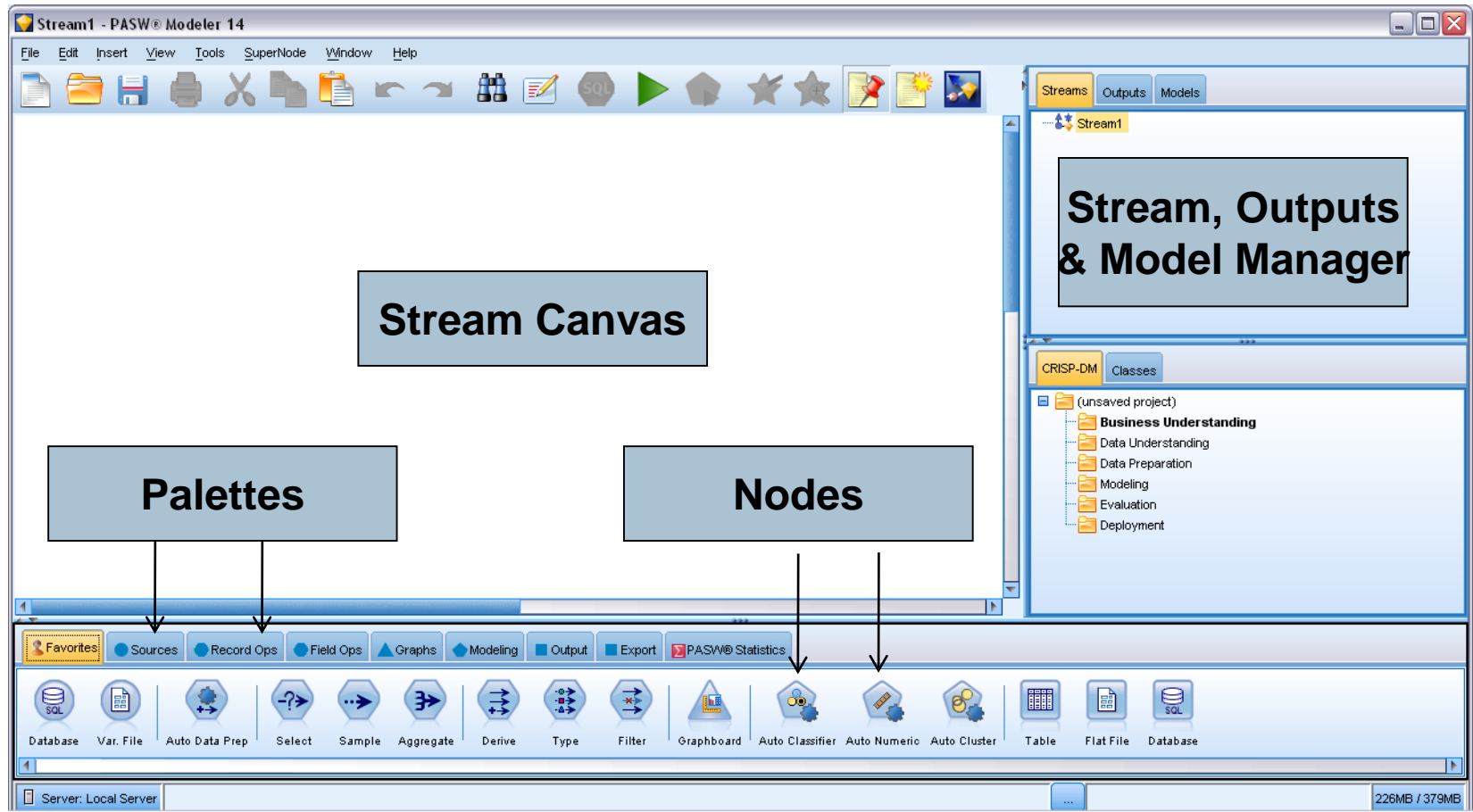
Lesson 1: Explore the SPSS Modeler Workbench



Agenda

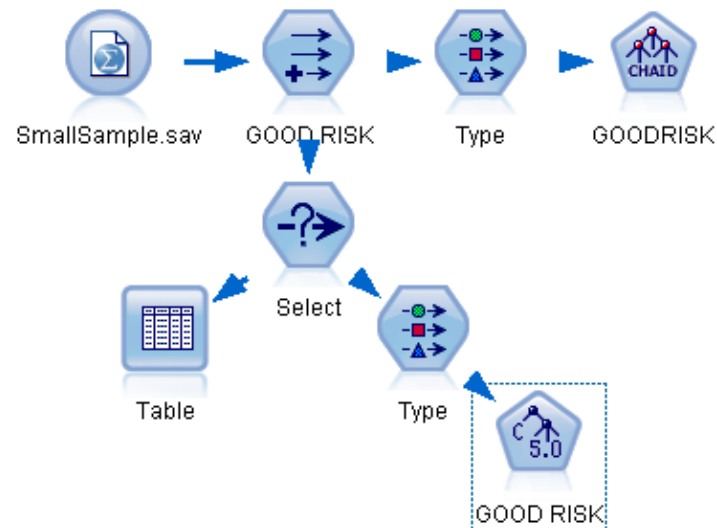
- Modeler Interface
- Streams
- Palettes
- Lab

Modeler Interface



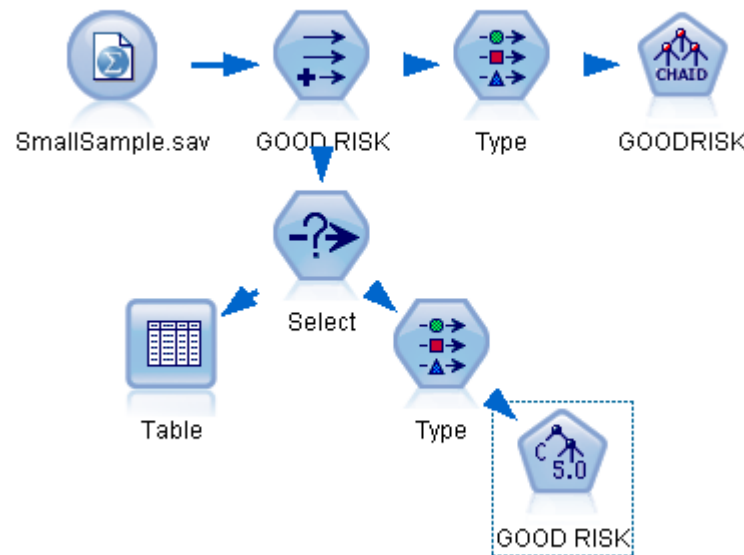
Visual Programming with Modeler

- Visual programming
- Based on icons ("nodes")
- Pick nodes from palette & place them on the bench
- Edit their attributes
- Connect to specify flow of data ("streams")



Streams

Once nodes have been placed on the Stream Canvas, they can be linked together to form a stream. A stream represents a flow of data through a number of operations (nodes) to a destination that can be in the form of output (either text or chart), a model, or the export of data to another format (e.g., an SPSS data file or a database).



Rules for Connecting Nodes

Source nodes

Data input nodes

Starting point of a stream

Other nodes can be connected **after but not before a source**

Intermediate nodes

Record and field operation nodes

Other nodes can be connected **before and after these nodes**

Terminal nodes

Modelling, graphs and output nodes

Other nodes can be connected **before but not after a terminal**

Use of the Mouse

-Left Button

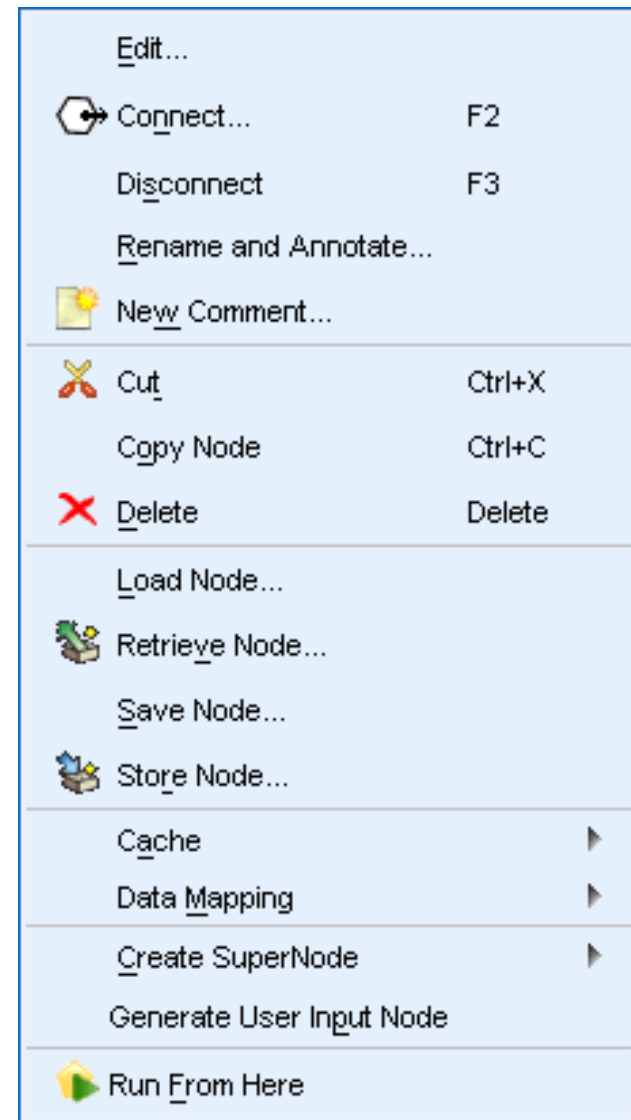
Used for node selection,
placement & positioning

-Right Button

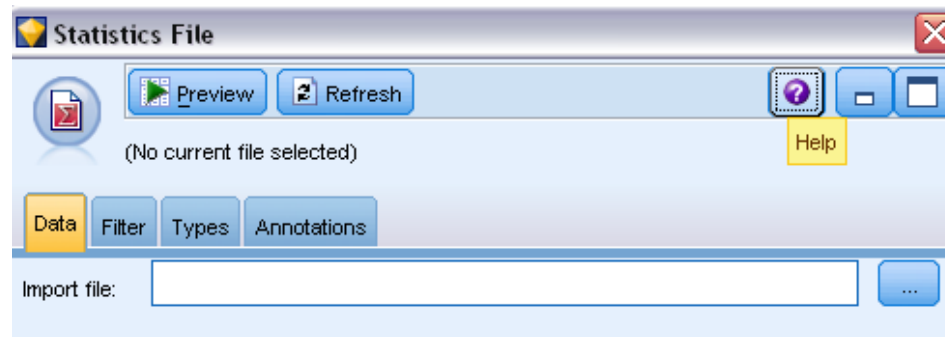
Used to invoke context menus
to edit the nodes (see example
right)

-Middle Button

Used to connect two nodes



Context Sensitive Help...Don't Forget



ContentsIndexSearchFavorites

Help Topics

PASW Modeler Help

PASW Modeler User's Guide

Source, Process, and Output Nodes

Source Nodes

Record Operations Nodes

Field Operations Nodes

Graph Nodes

Output Nodes

Export Nodes

PASW Statistics Node

PASW Statistics

Statistics File Node

Statistics Transformation

Statistics Model Import

Statistics Output

Statistics Export

Statistics File Node

PreviousNext

You can use the Statistics File node to read data directly from a saved PASW Statistics file (.sav). This format is now used to replace the cache file from earlier versions of PASW Modeler. If you would like to import a saved cache file, you should use the PASW Statistics File node.

[Show details](#)

Import file. Specify the name of the file. You can enter a filename or click the ellipsis button (...) to select a file. The file path is shown once you have selected a file.

Variable names. Select a method of handling variable names and labels upon import from a PASW Statistics .sav file. Metadata that you choose to include here persists throughout your work in PASW Modeler and may be exported again for use in PASW Statistics.

Overview of Palettes

Source

Record Operations

Field Operations

Graphs

Modeling

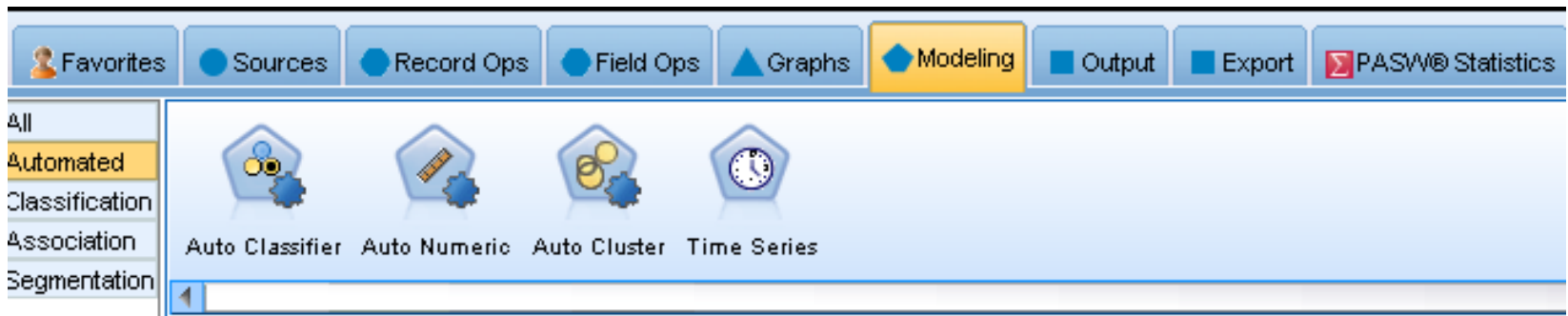
Export



**We will
review each...**

Sub Palettes

- The Modeling tab contains more sub palettes because there are so many modeling nodes. You can modify which nodes appear on a sub palette, create new sub palettes, and display only some sub palettes.
- Click the Modeling tab



This is the Automated models palette

Lab 1:

- Installation of IBM SPSS Modeler 17
- Getting familiar with the workbench

