User Manual for Software Module

Sheet1:

"Choose Module Button": Displays the "Choose a Module" window

Choose a Module Window:

Demand Forecasting Button: Click to select Forecasting method to perform

Inventory Button: Click to perform Inventory management computations

Transportation Button: Click to perform Transportation management

Facilities Button: Click to perform Facility management

Finish Button: Click to finish (hide all windows)

Demand Forecasting Module

Static Forecasting Button: Click to perform Static Forecasting

Moving Average Button: Click to perform Moving Average Forecasting method

Simple Exponential Smoothing Button: Click to perform Simple Exponential Smoothing forecasting method

Holt's Method Button: Click to perform Holt's method of forecasting

Winter's Method Button: Click to perform Winter's method of forecasting

Forecast All Button: Click to perform all forecasting methods with default input parameters. Creates a summary worksheet.

Static, Moving Average, Simple Exponential Smoothing, Holt's, an d Winter's Forecasting Modules:

In each window, enter the values applicable to that forecasting method.

Enter a range of demand data from Sheet1. (Ex: Sheet1!$A$2:$A$20)

Back Button: click to go back to the previous window

Forecast Button: click to run the forecast

Done Button: Click to finish

Inventory Module:

Enter values required and Click the "Compute Inventory" Button to calculate metrics.

Back Button: Click to go back to "Choose a Module" window

Finish Button: Click to finish

Facilities Module:

Enter range of demand data. Demand cities make up the columns and supply cities the rows. Each entry is the transportation cost between each pair of supply and demand cities. The final row is the total demand from each demand city. The last two columns are fixed cost and capacity, respectively.

Compute Facilities Button: Click to create new facilities worksheet

Back Button: Click to go back to previous module

Finish: Click to finish

Facilities Worksheet:

Solver Button: Click to calculate optimization of facilities

Transportation Module: