Select subset of data by XY coordinates

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Overview

This script takes an upper and lower bound for two numeric columns and creates a subset spreadsheet for the two columns.

Recommended Directory Location

Save the script to the following directory:
*..\Application Data\Golden Helix SVS\UserScripts\Spreadsheet\Plot\n
**Note:** The **Application Data** folder is a hidden folder on Windows operating systems and its location varies between XP and Vista. The easiest way to locate this directory on your computer is to open SVS and go to **Tools >Open Folder > UserScripts Folder**. If saved to the proper folder, this script will be accessible from the spreadsheet **Plot** menu.

Goal

The purpose of this script is to create a subset spreadsheet based on X and Y coordinates either known in advance or determined by looking at an XY Scatter Plot.

In the example below, a subset spreadsheet is needed for the samples with data points in the area outlined in **Figure 1**.

![Figure 1: XY Scatter Plot with area of interest highlighted.](image)

Using the Script
1. Open a spreadsheet containing numeric columns, such as in Figure 2.

![Figure 2: Spreadsheet containing numeric columns.](image)

2. Select Plot > Select subset of data by XY coordinates and enter in the appropriate information to the parameters dialog, see Figure 3.

![Figure 3: Select subset of data by XY coordinates parameters dialog.](image)

The resulting spreadsheet will be a row subset spreadsheet with only the rows (samples) that met the specified criteria.