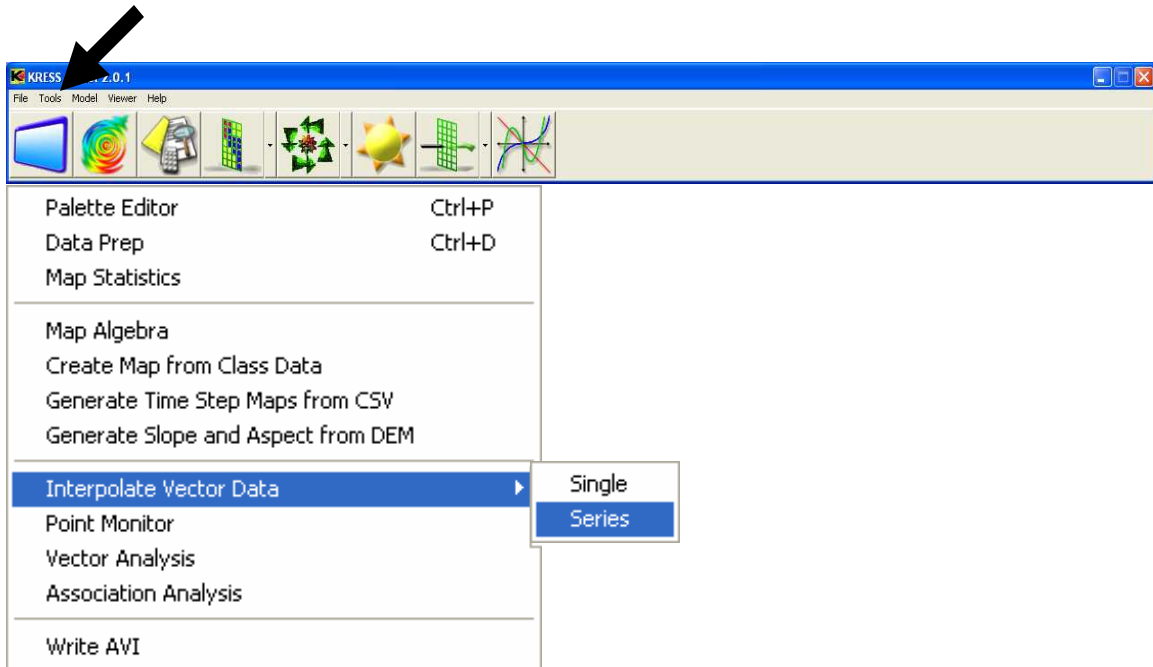


Interpolate Vector Data Series

KRESS allows users to output a series of data sets from vector data using the **Interpolate Vector Data: Series** module.



The user must first use the **Add** button to select his vector data files. As in the interpolate Vector Data: Single, the user can specify which **Field Values** they are interested in by using the dropdown menu, or they can select **Count Hits**. The user must specify where the easting and northing values are found by selecting the appropriate option button. If they select Easting and Northing are Fields then they must specify which fields are which by using the dropdown menus, **X Field** for easting and **Y Field** for northing. If **Easting/Northing Associated with Filename** is selected then the user must specify an association file from which the X and Y fields can be determined. The filename is selected using the ... button next to the **Association File** label. The user must then designate the **Filename Field**, **X Field**, and **Y Field** within the association file.

The User must specify a **Filter Field** to indicate which column of data in the file is to be used to create the new files. Thus, if the user wanted a new raster file for each day, they would select the date column in their data file. If they need to columns to specify date and time, the user can check the **Date & Time** option button and specify the time column. Using the **Categorization Type** dropdown menu, the user must specify if the output is based on date and time or a unique categorization. If it is a unique categorization, then the form **Date Interval**

Specification can be ignored since the output will generate one file for each possible categorization of the filter field specified by the user.

The screenshot shows the 'Automatic Sort and Interpolate Vector Data' dialog box. It contains several sections for configuring data processing options. The 'Interpolation Method' section has 'Inverse Distance Weighted' selected with an exponent of 2. The 'Output Options' section shows a file browser for the 'Output Folder' set to 'C:\Program Files\KRESS\Maps'. The 'Date Interval Specification' section shows a start date of 2004 January 1 and an end date of 2004 January 10, with an interval of 1 Day. The 'Analysis Filter Options' section has a dropdown for 'Filter Field' and checkboxes for 'Date & Time' and 'Categorization Type'.

If the user is exporting based on date intervals, they must specify the intervals in the Date Interval Specification form. They do this by indicating starting time and date and the ending time and date as well as the desired interval. The user can check the option button for Lowest Ignored Field if they are interested in a day regardless of month or a month regardless of year etc... So, if the user was interested in a time, say from 8 am to 9 am every day regardless of day, then the day would be the lowest ignored field.

The **Interpolation Method**, **Output Options**, and **Output Map Specifications** are all identical to the **Interpolate Vector Data: Single**, form. Please read the previous section for instructions on how to use these options.