connectstyle — Choices for how points are connected

Description

connectstyle specifies if and how points in a scatter are to be connected, for example, via straight lines or stairsteps.

connectstyle is specified inside the connect() option which is allowed, for instance, with scatter:

```
. scatter ..., connect(connectstylelist) ...
```

Here a connectstylelist is allowed. A connectstylelist is a sequence of connectstyles separated by spaces. Shorthands are allowed to make specifying the list easier; see [G-4] stylelists.

Remarks and examples

Points are connected in the order of the data, so be sure that data are in the desired order (which is usually ascending value of \(x\)) before specifying the connect(connectstyle) option. Commands that provide connect() also provide a sort option, which will sort by the \(x\) variable for you.

connect(l) is the most common choice.

connect(J) is an appropriate way to connect the points of empirical cumulative distribution functions (CDFs).

Syntax

<table>
<thead>
<tr>
<th>connectstyle</th>
<th>Synonym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>none</td>
<td>i</td>
<td>do not connect</td>
</tr>
<tr>
<td>direct</td>
<td>l</td>
<td>connect with straight lines</td>
</tr>
<tr>
<td>ascending</td>
<td>L</td>
<td>direct, but only if (x_{j+1} &gt; x_j)</td>
</tr>
<tr>
<td>stairstep</td>
<td>J</td>
<td>flat, then vertical</td>
</tr>
<tr>
<td>stepstair</td>
<td></td>
<td>vertical, then flat</td>
</tr>
</tbody>
</table>

Other connectstyles may be available; type

```
. graph query connectstyle
```

to obtain the full list installed on your computer.

Also see

[G-3] connect_options — Options for connecting points with lines