

How to use the ILWIS 3.0 User's Guide with ILWIS 3.1

ILWIS 3.0 was released in June 2001 with a completely updated User's Guide. For the release of ILWIS 3.1 however, there is no new User's Guide. Since the software has changed, you may find that some exercises in the 3.0 User's Guide are not working properly anymore. The text below lists all important changes between the ILWIS 3.0 and 3.1 software, and may help you to use the ILWIS 3.1 software together with the 3.0 User's Guide.

Data directories:

The data for the User's Guide exercises are now located in:
C:\ILWIS 3.1 Data\User's Guide\Chapter...

Map window:

A map window contains an overview window, which you can use to zoom in, zoom out, and pan.

In 3.0, when you dragged a raster map into a map window which already displayed a raster map, then the first raster map was replaced by the second raster map.

In 3.1:

- A second raster map will only be added to the map window, if both maps use the same georeference.
- If the maps use a different georeference, dragging is not allowed. Due to this, the following exercises will fail:
 - chapter 2, page 32, 1st exercise box
 - chapter 2, page 51, 3rd exercise box

Instead of dragging a second raster map to an existing map window, you should open the second raster map by double-clicking it in the Catalog.

In a number of section summaries, the statement "A map window can display only one raster map..." is no longer valid.

Multiple raster and polygon maps in a map window can be displayed using Transparency.

Measure Distance gives more information than described (pages 19, 215, 305).

Graphs:

The Graphs menu does not exist in a table window anymore. There is no right mouse menu anymore in a graph window.

To create a new graph:

- click the **New Graph** button in a table window, or
- open the **File** menu in a table window, and choose **Create Graph** or **Create Rose diagram**.

To add another graph to an existing graph window:

- click the **Add Graph** button in a graph window, or the arrow next to that button, or
- open the **Edit** menu in a graph window, and choose **Add Graph**.

The Graph Management pane can be used to specify values for the X-axis and Y-axis, axis text, color and line type of the graphs, etc. Graphs can also be saved. The 3.1 Help is up-to-date.

Creation and editing graphs is done in:

- chapter 5: pages 190, 191, 206, 207
- chapter 7: page 309 (rose diagram)
- chapter 10: page 415 (cross-section)
- chapter 11: pages 422, 425, 437, 439, 448, 451, 455

Histograms:

When a histogram is opened, its graph is also immediately displayed.

This affects for instance chapter 7, page 303, 3rd exercise box.

Layouts:

In annotation that is added to a layout, there are more possibilities to format a Map Border, a North arrow and a scale bar (chapter 13: pages 505, 508, 509).

Objects etc.:

In ILWIS 3.1, the following objects are new:

- Graphs
- Stereo pairs

Pictures and text listing ILWIS objects are therefore not complete (page 8, 11, 30).

The table with available projections and ellipsoids are not complete (pages 127, 131/132).

The table with possible domain conversions is not complete (page 164).

MapCalc/TabCalc IFF and merging items of Class or ID domains:

When the IFF function is used in MapCalc or TabCalc, and when for the output map or column, items of class or ID domains have to be merged, a warning is given by the software that merging domain items sometimes goes wrong. You can find more information in the new Help topic 'Map and table calculation : merging domains'.

However, in the exercises of chapter 5 and 8 (pages 183, 337, 338), the merging of domain items seems to work properly.

Wrong references to Help:

The whole Help section on MapCalc/TabCalc has been reorganized in the Help for 3.1.

As a consequence, some exercises are now referring to old non-existing Help topics (pages 178, 185, 305).

Not described in 3.0 User's Guide:

The following subjects are new in ILWIS 3.1 and are therefore not mentioned in the 3.0 User' Guide:

- Overview window in a map window.
- Pyramid layers to speed up display of large raster maps e.g. maps of a few thousand lines by a few thousand columns or larger.
- Preferences.
- Cross tables shown as a matrix.
- Map list applications / MapCalc with map lists.
- Classify with prior probability.
- Importing tables/database using ODBC.
- Stereoscopy.

Refer to the 3.1 Help.

Import Table wizard:

Import DBF table `houses.dbf` through ILWIS table wizard has changed (chapter 5, page 174 and following):

- Page 174: first exercise box:
There is an extra page in the import table wizard:
When you have the choice to import 'Use ILWIS import' or 'Use Open Database Connectivity (ODBC)', choose 'Use ILWIS import'.
- Page 174: second exercise box:
On the Edit Column Details page, the defaults have changed:
To assign the existing domain `Cityblock` to column Name:
For **New Domain**, accept **No**.
For **Domain Type**, select **ID**.
For **Domain**, navigate to your working directory (`C:\ILWIS 3.1 Data\User's Guide\Chapter05\...`), and select domain `Cityblock`.
- Page 175: second exercise box:
If the import DBF failed on page 174, the Join on page 175 will also fail.
- Page 203: extra exercise with exclamation mark:
If the import DBF failed on page 174, the extra Join on page 203 will also fail.