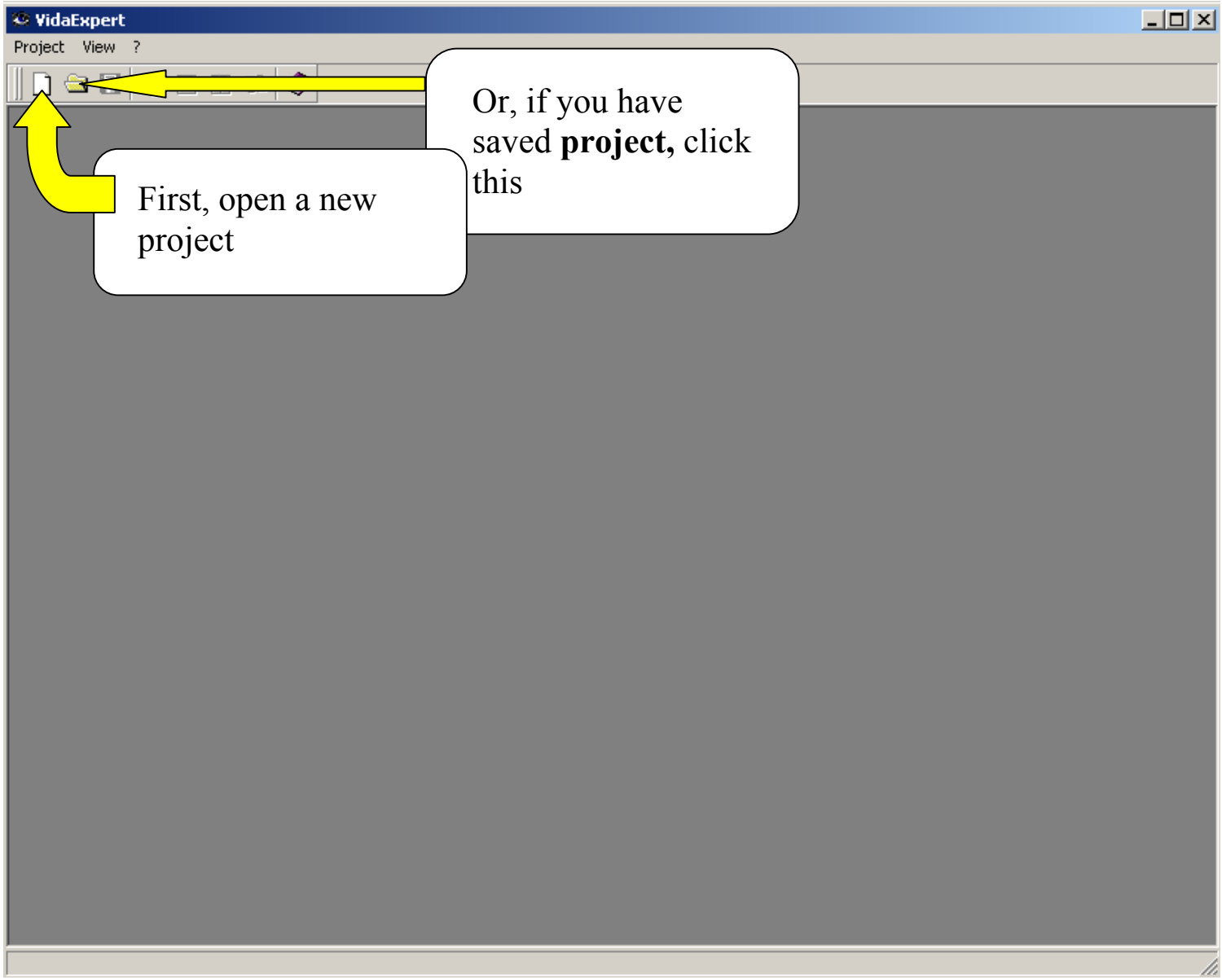
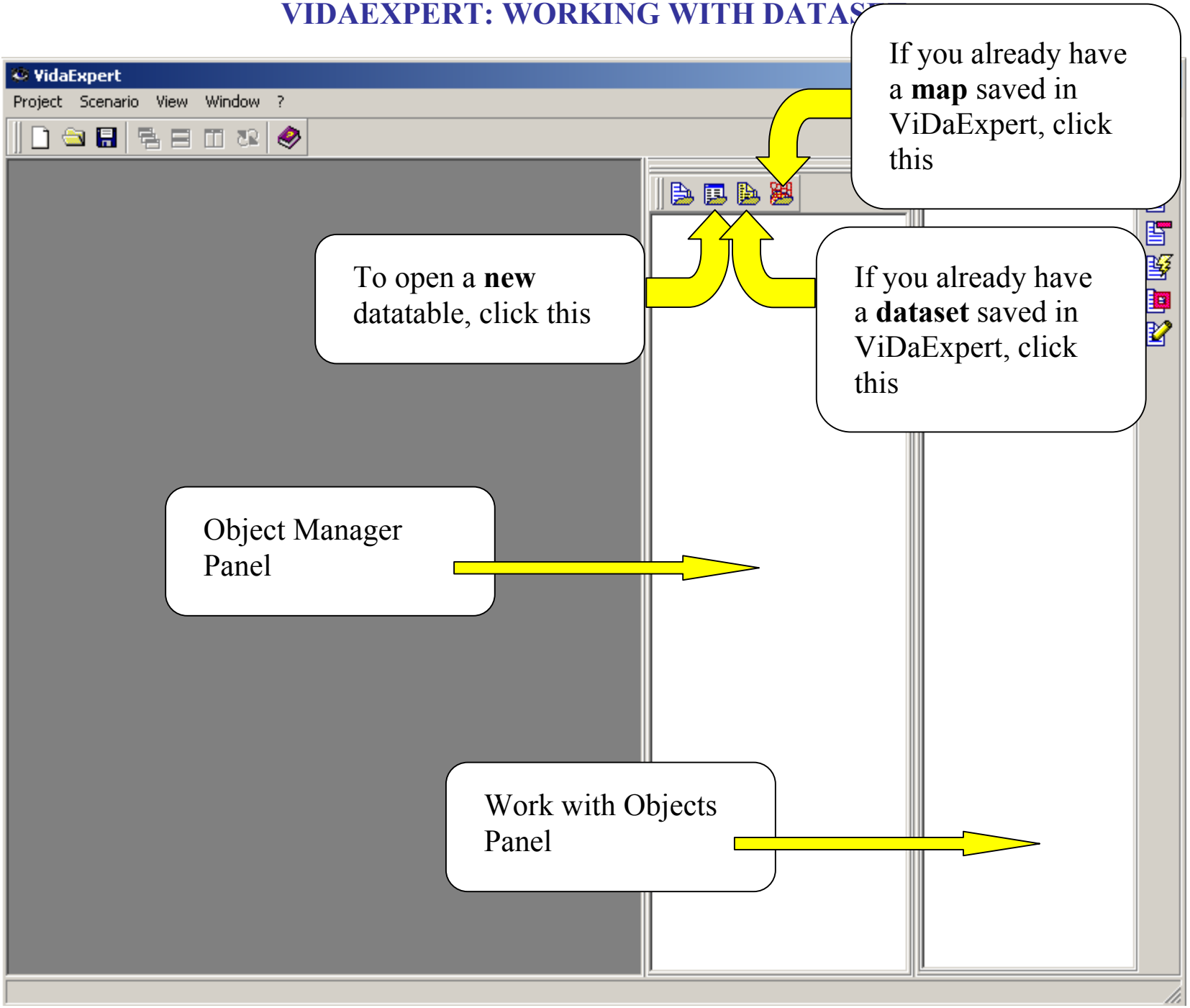
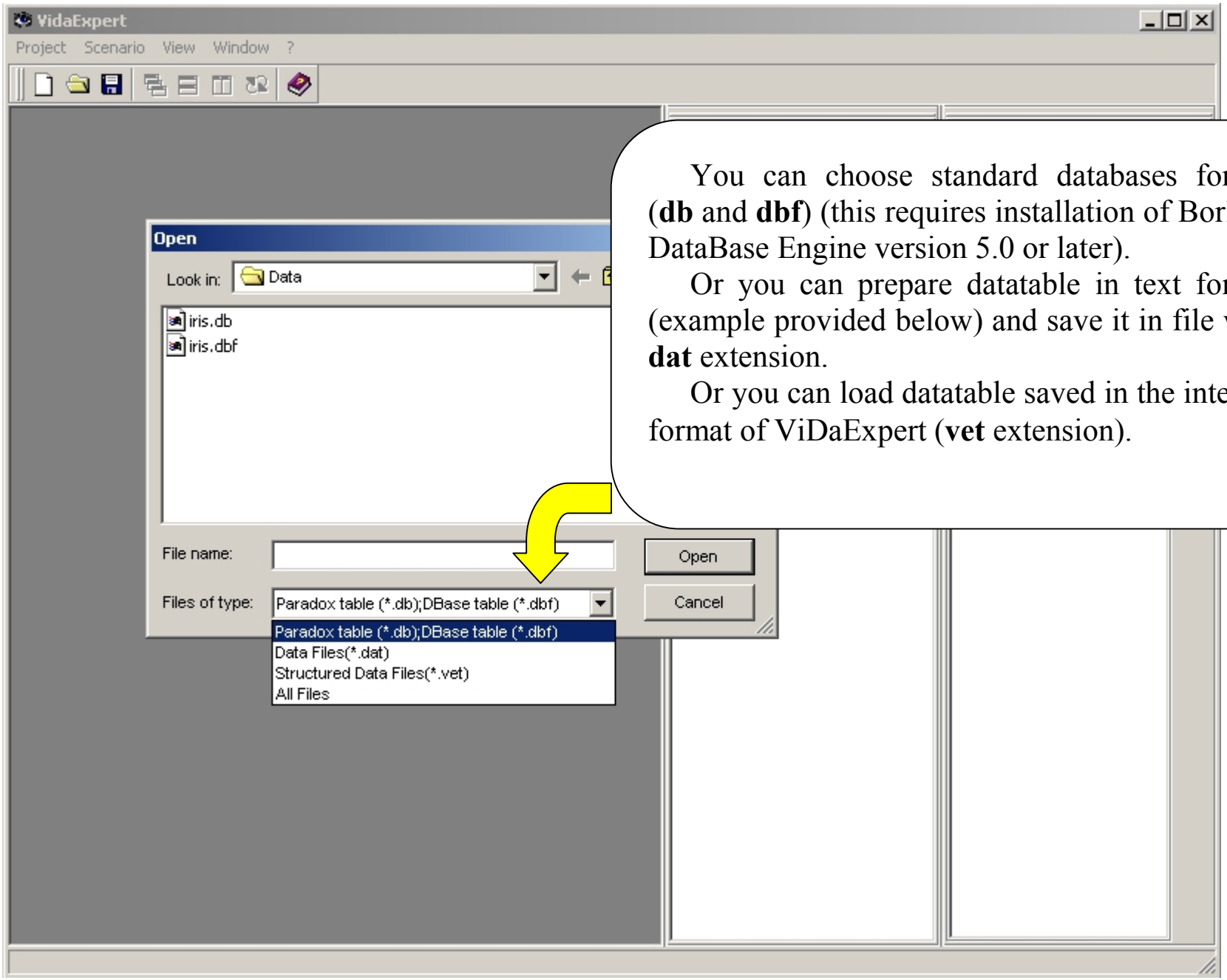
VIDAEXPERT: WORKING WITH DATASET



VIDAEXPERT: WORKING WITH DATAS



VIDAEXPERT: WORKING WITH DATASET



You can choose standard databases format (**db** and **dbf**) (this requires installation of Borland DataBase Engine version 5.0 or later).

Or you can prepare datatable in text format (example provided below) and save it in file with **dat** extension.

Or you can load datatable saved in the internal format of ViDaExpert (**vet** extension).

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EXAMPLE OF DAT-FILE

——— Beginning of file ———

```
5 150
N1 FLOAT
N2 FLOAT
N3 FLOAT
N4 FLOAT
IRIS-SETOS STRING
4.9 3.0 1.4 0.2 "Iris-setosa with spaces"
4.7 3.2 1.3 @   Iris-setosa
4.6 3.1 1.5 0.2 Iris-setosa
5.0 3.6 1.4 0.2 Iris-setosa
5.4 3.9 1.7 0.4 Iris-setosa
4.6 3.4 1.4 0.3 Iris-setosa
5.0 3.4 1.5 0.2 Iris-setosa
4.4 2.9 1.4 0.2 Iris-setosa
4.9 3.1 1.5 0.1 Iris-setosa
5.4 3.7 1.5 0.2 Iris-setosa
```

——— ..... ———

```
6.0 3.0 4.8 1.8 Iris-virginica
6.9 3.1 5.4 2.1 Iris-virginica
6.7 3.1 5.6 2.4 Iris-virginica
6.9 3.1 5.1 2.3 Iris-virginica
5.8 2.7 5.1 1.9 Iris-virginica
```

——— End of file ———

First line is the number of columns and the number of records in the datatable.

After one should provide description of every field in form “FIELD_NAME FIELD_TYPE”. Possible types are FLOAT and STRING.

After that, line after line, values of columns of every record separated by **spaces**. If a string-type value has spaces, it must be in quotes.

If you have **gap** (unknown value), then it should be marked by @ symbol.

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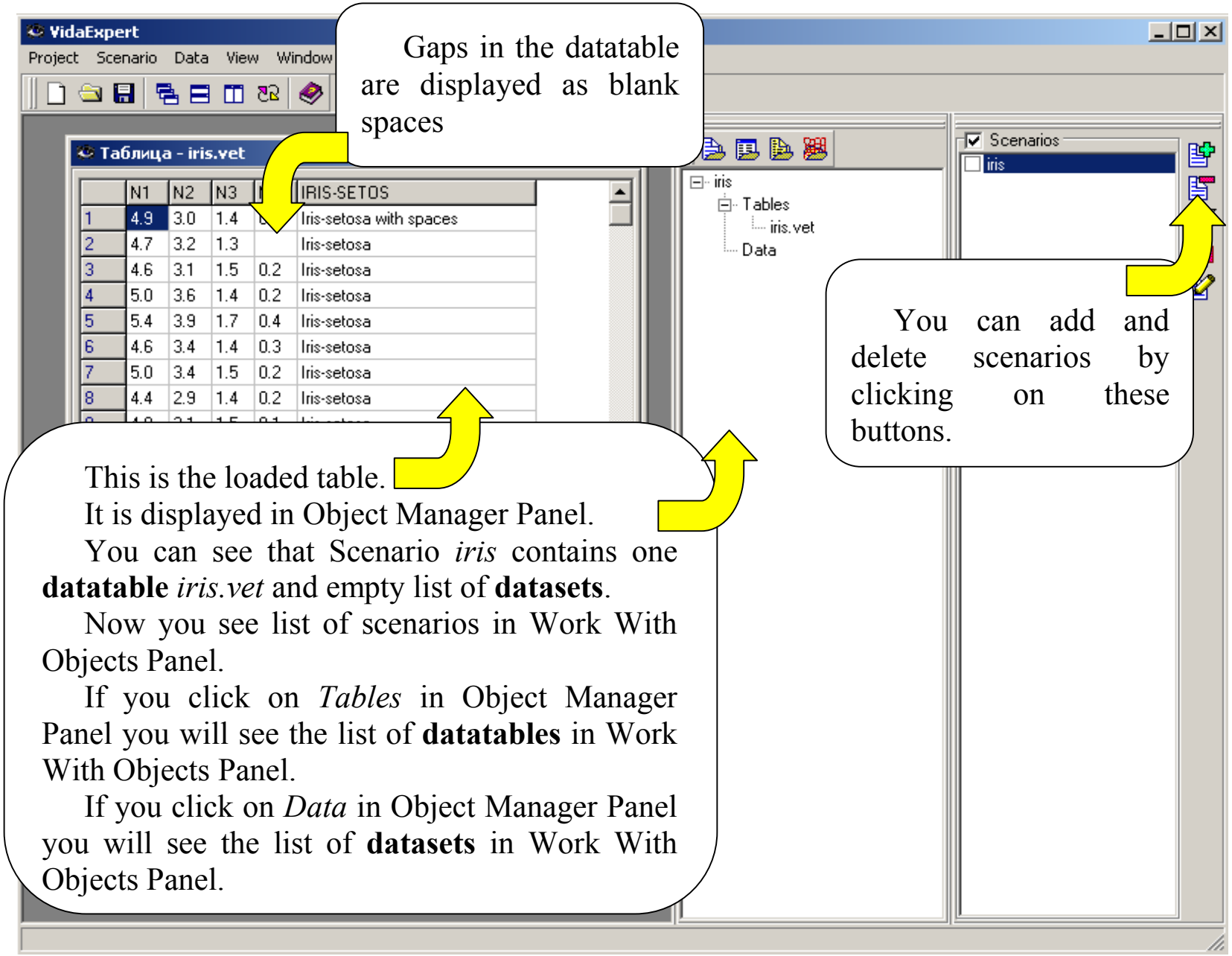


Gaps in the datatable are displayed as blank spaces

You can add and delete scenarios by clicking on these buttons.

This is the loaded table.

It is displayed in Object Manager Panel.

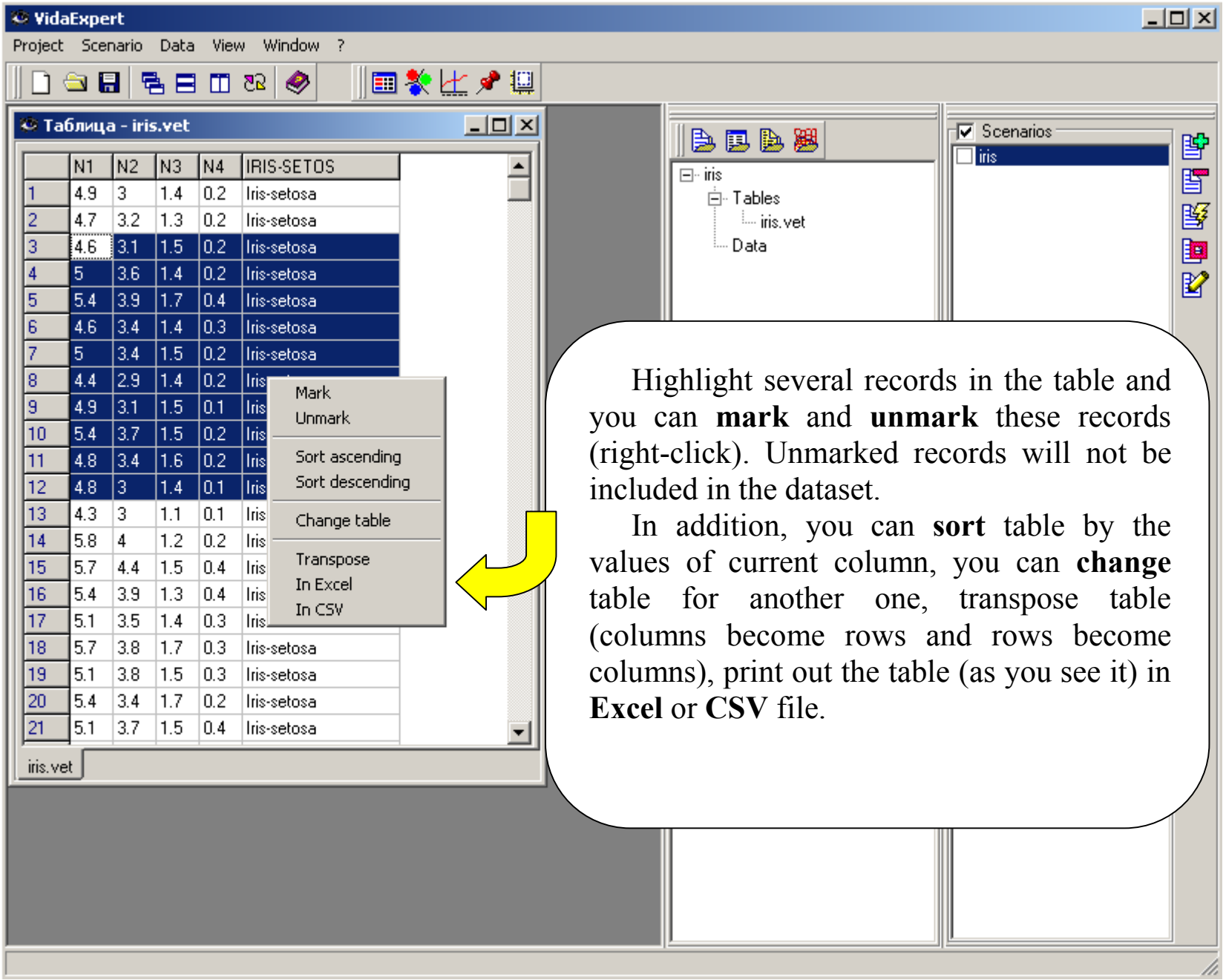
You can see that Scenario *iris* contains one **datatable** *iris.vet* and empty list of **datasets**.

Now you see list of scenarios in Work With Objects Panel.

If you click on *Tables* in Object Manager Panel you will see the list of **datatables** in Work With Objects Panel.

If you click on *Data* in Object Manager Panel you will see the list of **datasets** in Work With Objects Panel.

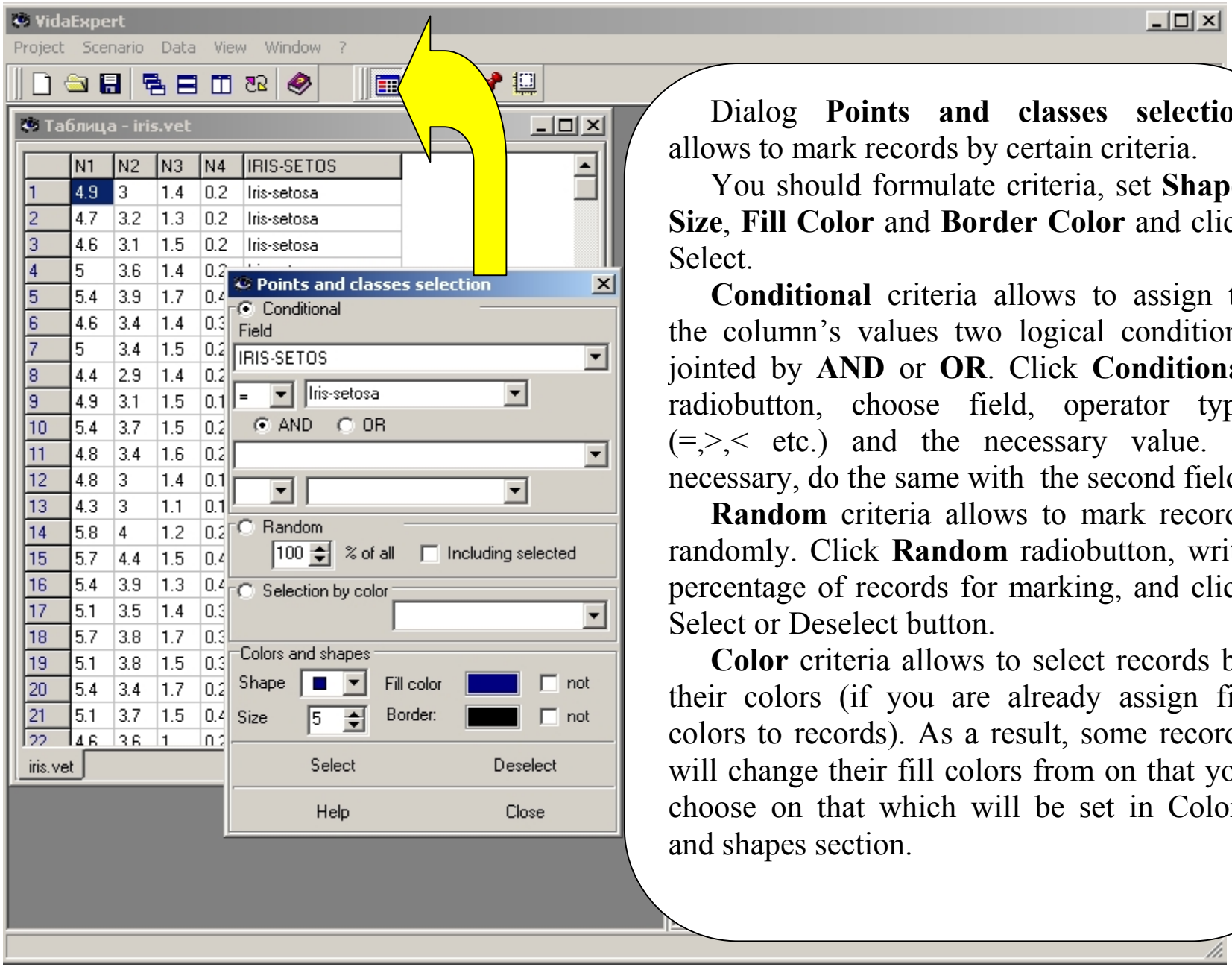
VIDAEXPERT: WORKING WITH DATASET



Highlight several records in the table and you can **mark** and **unmark** these records (right-click). Unmarked records will not be included in the dataset.

In addition, you can **sort** table by the values of current column, you can **change** table for another one, transpose table (columns become rows and rows become columns), print out the table (as you see it) in **Excel** or **CSV** file.

VIDAEXPERT: WORKING WITH DATASET



Dialog **Points and classes selection** allows to mark records by certain criteria.

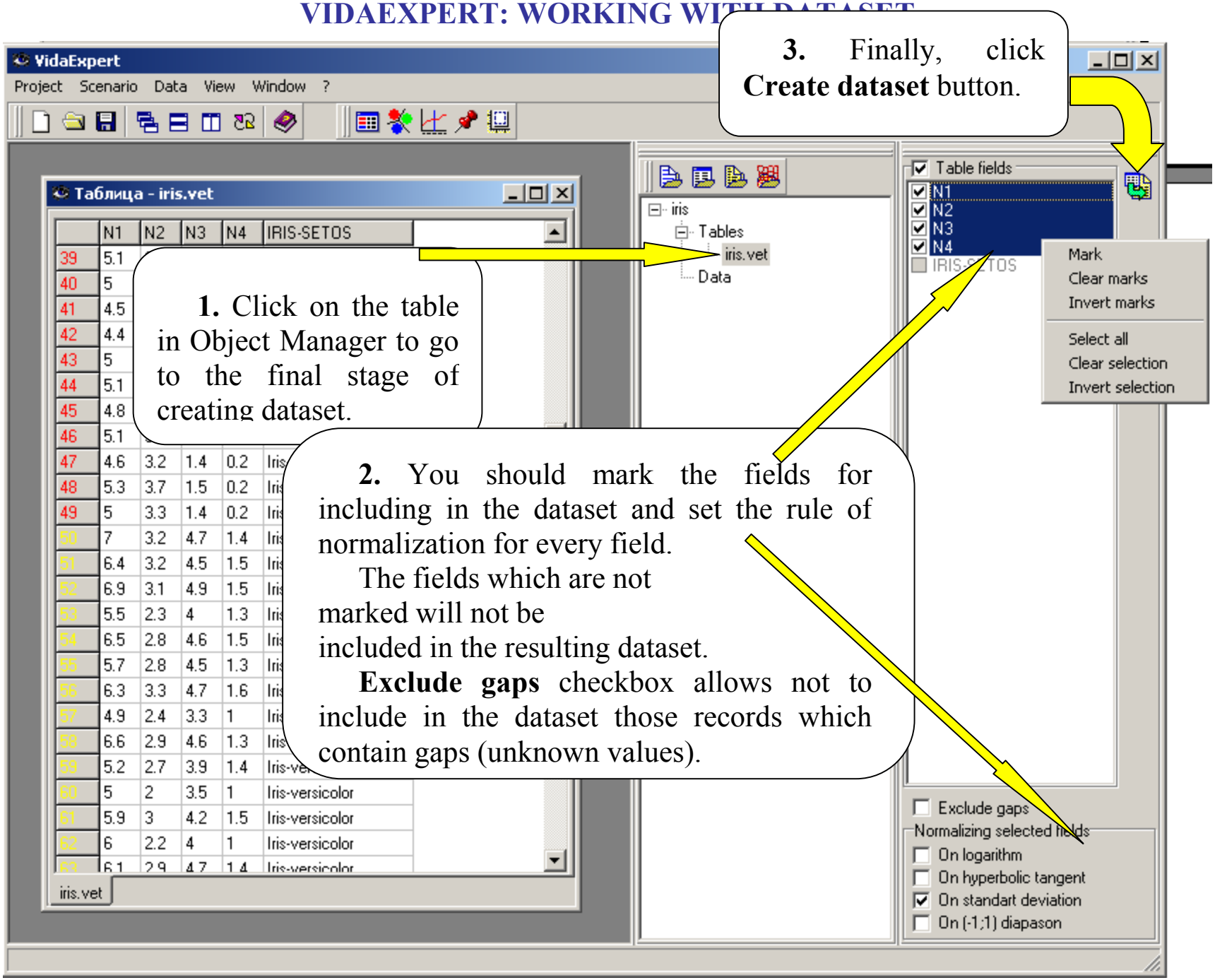
You should formulate criteria, set **Shape**, **Size**, **Fill Color** and **Border Color** and click Select.

Conditional criteria allows to assign to the column's values two logical conditions jointed by **AND** or **OR**. Click **Conditional** radiobutton, choose field, operator type (=,>,< etc.) and the necessary value. If necessary, do the same with the second field.

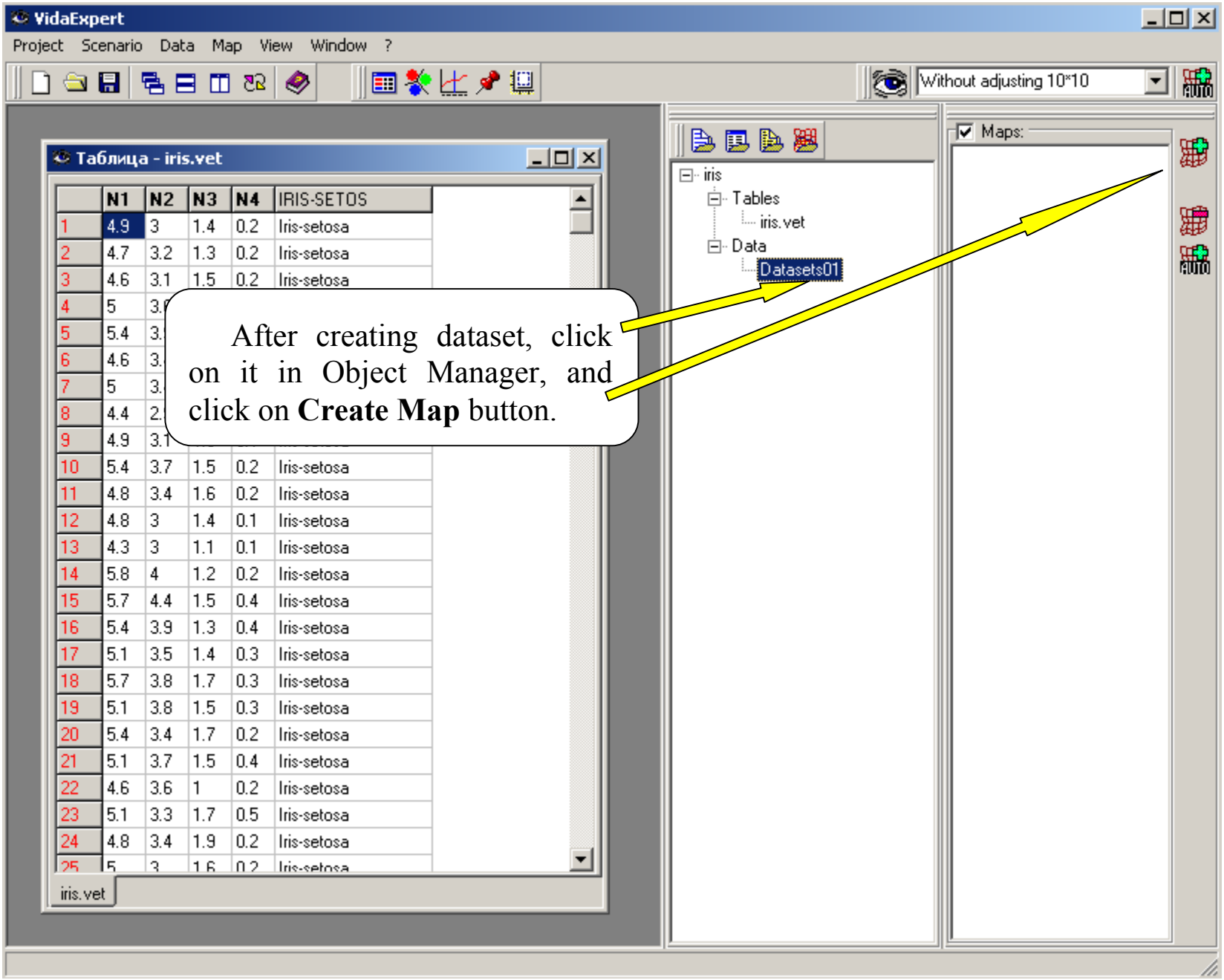
Random criteria allows to mark records randomly. Click **Random** radiobutton, write percentage of records for marking, and click Select or Deselect button.

Color criteria allows to select records by their colors (if you are already assign fill colors to records). As a result, some records will change their fill colors from on that you choose on that which will be set in Colors and shapes section.

VIDAEXPERT: WORKING WITH DATASET

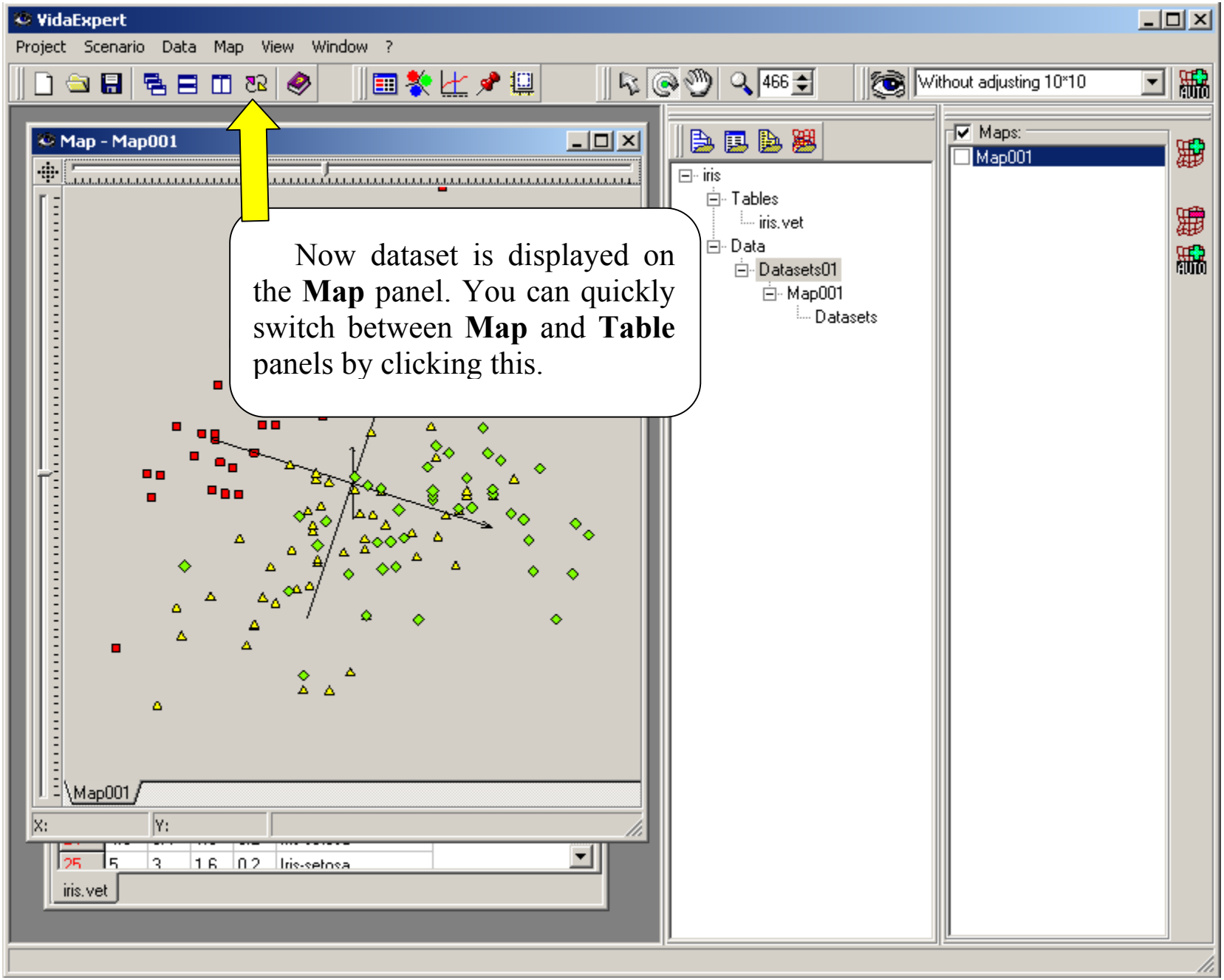


VIDAEXPERT: WORKING WITH DATASET

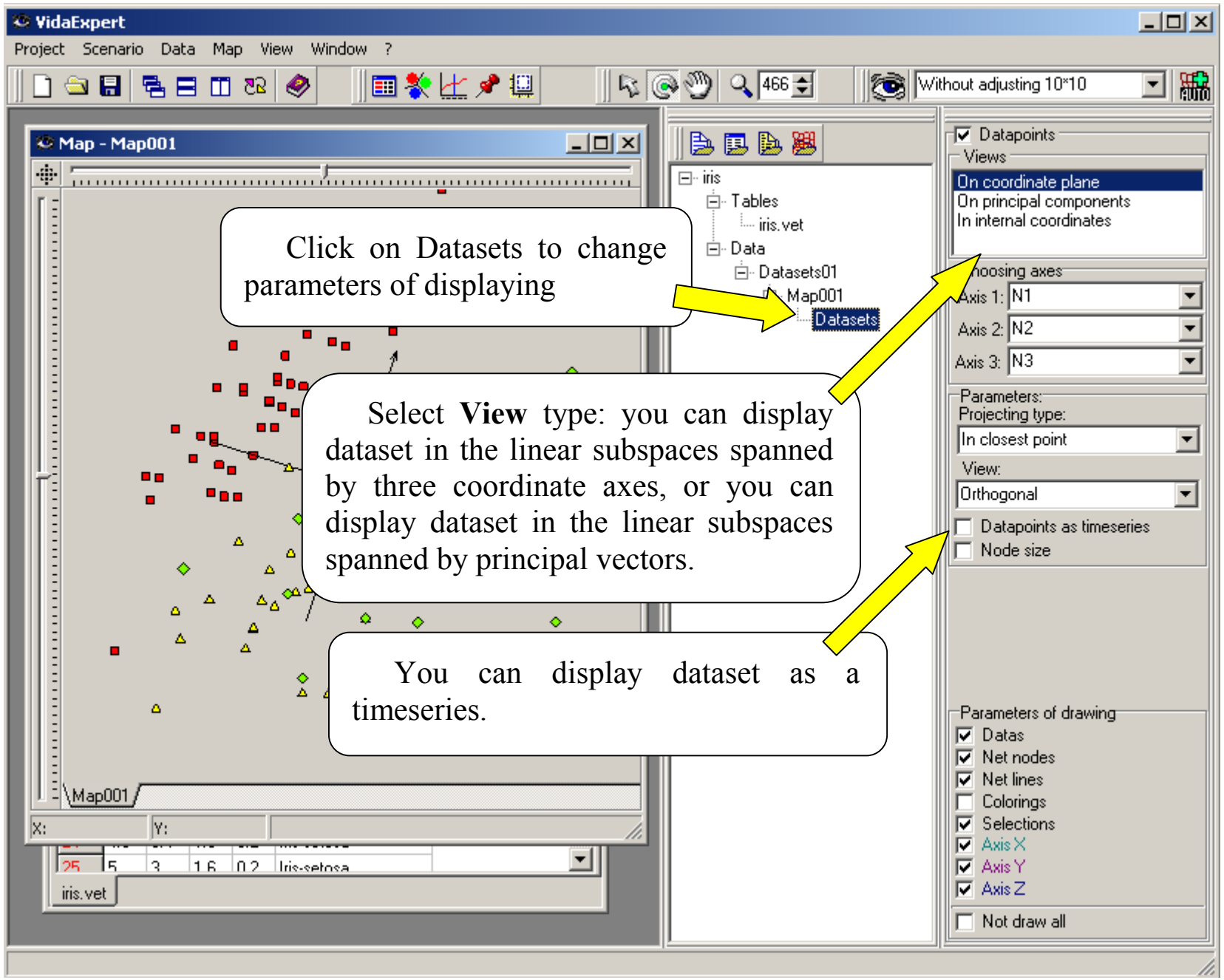


	N1	N2	N3	N4	IRIS-SETOS
1	4.9	3	1.4	0.2	Iris-setosa
2	4.7	3.2	1.3	0.2	Iris-setosa
3	4.6	3.1	1.5	0.2	Iris-setosa
4	5	3.			
5	5.4	3.			
6	4.6	3.			
7	5	3.			
8	4.4	2.			
9	4.9	3.1			
10	5.4	3.7	1.5	0.2	Iris-setosa
11	4.8	3.4	1.6	0.2	Iris-setosa
12	4.8	3	1.4	0.1	Iris-setosa
13	4.3	3	1.1	0.1	Iris-setosa
14	5.8	4	1.2	0.2	Iris-setosa
15	5.7	4.4	1.5	0.4	Iris-setosa
16	5.4	3.9	1.3	0.4	Iris-setosa
17	5.1	3.5	1.4	0.3	Iris-setosa
18	5.7	3.8	1.7	0.3	Iris-setosa
19	5.1	3.8	1.5	0.3	Iris-setosa
20	5.4	3.4	1.7	0.2	Iris-setosa
21	5.1	3.7	1.5	0.4	Iris-setosa
22	4.6	3.6	1	0.2	Iris-setosa
23	5.1	3.3	1.7	0.5	Iris-setosa
24	4.8	3.4	1.9	0.2	Iris-setosa
25	5	3	1.6	0.2	Iris-setosa

VIDAEXPERT: WORKING WITH DATASET



VIDAEXPERT: WORKING WITH DATASET



VIDAEXPERT: WORKING WITH DATASET