

Introduction to Maps

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Example conventions

| |
|--------------------|
| Key: |
| Map Codes |
| Color Data |
| Pattern Data |
| Pin Character Data |
| Latitude |
| Longitude |
| <i>Pin Color</i> |

The examples in this file use a c in the range of map data.

What can Lotus Map Do?

Lotus Map links data in your representations of that data chart to illustrate a range of a map that links data in a regions such as states or co

For more information, search to the "Mapping Overview" t

Using Lotus Map

To create a map, set up a range
then choose Tools Map New M:

For more information on creatin
in Help and go to the "Creating

Map Display Resolution

Maps can be created and di:
and high. By default, maps :
Regular resolution is satisf:
when displaying maps in the
the size of a map, zoom a m
may be a decrease in the qu

To maintain the quality of th
the size, zooming, or printin
switch to high resolution. Fo
see the map in the Pins she:
resolution by editing the 12:

To switch to high res

1. Quit 1-2-3.
2. Open the Windows Notep
3. Choose File Open.
4. Enter c:\windows\123r5.ir
choose OK.
5. Under [MAPS], change th:
to mapres=1.
6. Choose File Save and the

Maps can now be created ar

What happens to existi: regular to high resolu

Existing maps will not auton
redraw existing maps in ord

To redraw existing m

1. Choose Tools Map Set Re
2. Choose Tools Map Redrav

This will redraw all existing maps.

Effects of creating and displaying maps

Creating and displaying maps under the following conditions:

- ∅ More detailed display of maps
- ∅ More detailed printout of maps
- ∅ Longer time to draw and print maps
- ∅ More space is taken up in memory
- ∅ More memory is required to store maps

Note Lotus recommends that you have at least 16MB of memory (RAM) with a 16MB resolution.

Getting Online Help About Lotus Map

Help on maps is available by:

- ∅ Pressing F1 (HELP) when a dialog box is displayed.
- ∅ Clicking the ? button in a Tool palette or clicking the Help button in a Lotus Map dialog box.
- ∅ Using Search in Help.

To use Search

1. Choose Help Search.
2. Type "Maps" in the text box.
3. Choose Show Topics.

A list of topics appears in the list box.

4. Select a topic by choosing Go to Topic.

There are additional search terms in the list box. To go to more specific Help topics, type a term in the text box or scroll through the list. If you are using the Lotus Map feature, type "Maps" in Help and go to the topic.

"Creating a Map" for useful i



to a topic or sheet.

color key to identify cells that are

worksheet to graphical
. Just as you would create a bar
worksheet values, you can create
inge to recognizable geographic
untries.
h on "Map overview" in Help and go
opic.

of map data, select the range, and
ap.

g maps, search on "Map overview"
a Map" topic.

splayed in two resolutions: regular and
are displayed in regular resolution.
ctory for most monitors and printers
eir default size. However, if you increase
iap, or print a map to fill a page, there
uality of the resolution of the map.

ie resolution of the map when increasing
g a map to fill a page, you may want to
ir an example of a high-resolution map,
et in this file. You can switch the map
3R5.INI file.

olution of maps

ad.

ri in the File Name text box and

e default setting from mapres=0

n Exit.

nd displayed in high resolution.

sting maps when you switch from ution?

natically switch to high resolution. You need to
er for them to display in high resolution.

maps

draw Preference and select Manual.

v.

in maps in the current file in high resolution.

and displaying maps in high resolution

os in high resolution causes the

maps on the screen

maps

print maps

the spreadsheet

to create and display high resolution

have at least 8MB of random access
swap file before switching to high

dialog box appears.

Is Map command dialog box or
atus Map Viewer command dialog

t box at the bottom of the Search.

o To or by double-clicking the topic.

ns, such as "Centering maps,"
s," and "Titles for maps" that direct
; about maps. You can either
roll through the list of search terms.
eature for the first time, search on
e topics "Mapping Overview" and

introductory information.

Creating a Map To create a map, you must first set up a range containing columns containing codes, values, labels, or special characters. For example, see the range below.

Book Sales

| Map Region | Map codes | Sales | Language |
|----------------|-----------|-----------|-----------------|
| Argentina | AR | \$330000 | <i>Spanish</i> |
| Canada | CA | \$353000 | <i>English</i> |
| Chile | CL | \$135000 | <i>Spanish</i> |
| United Kingdom | GB | \$578000 | <i>English</i> |
| France | FR | \$575700 | <i>French</i> |
| Germany | DE | \$805900 | <i>German</i> |
| Japan | JP | \$1257000 | <i>Japanese</i> |
| Spain | ES | \$390100 | <i>Spanish</i> |
| United States | US | \$2560000 | <i>English</i> |

Map
Codes

Color
Data

Pattern
Data

◆ The leftmost column in the range must contain map code conventional names. 1-2-3 uses these codes or names to map regions to rows of data in your range.

You already know many of the names that 1-2-3 recognizes. Enter the name that is already used for the region; for example, Canada, Taiwan, Japan, Mexico, and so on.

In the \MAPDATA subdirectory, 1-2-3 provides at least one file (.WK4) for every map type. You can copy codes or names from those files and paste them into the worksheet to build a range of map data.

◆ Columns to the right of the map codes contain data that you use to map regions. 1-2-3 links values, labels, and pin characters to geographic map and uses colors and patterns to distinguish data in your range.

Once you have set up a range of map data, select the range and choose Tools Map New Map.

Note Do not include column headings in the range of map data selected.

You can select a single cell within the range. Lotus 1-2-3 determines the borders of the range and creates the map based on the defined borders.

Note If you are using the Lotus Map feature for the first time, search for "mapping overview" in Help and go to the topics "Mapping Overview" and "Creating a Map" for useful introductory information.

two or more
characters. For

| Book Tour | Latitude | Longitude | Pin Color |
|--------------|-----------------|-----------|-----------|
| □ | 50.72621 | 9.849256 | 80 |
| □ | 37.16608 | 138.6355 | 80 |
| □ | 38.76283 | -86.11849 | 80 |

Pin character coordinates Color value for pin characters

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1 "Map

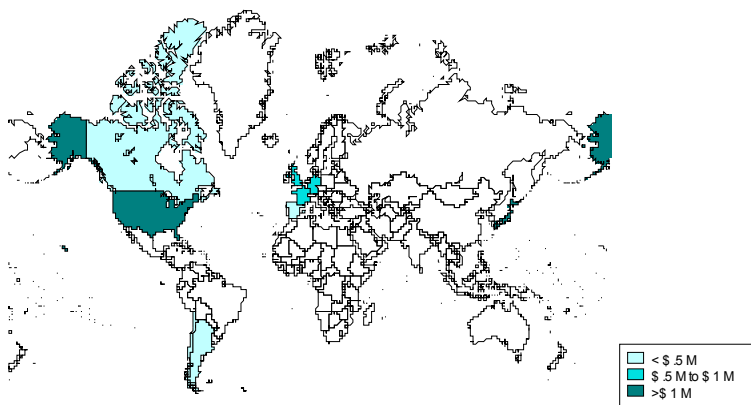
Map with Colors

You are tracking books sales in 9 countries around the world. You want to display the sales figures in a map. You want to represent sales figures under \$.5 million, between \$.5 million and \$ 1 million, and figures over \$ 1 million. In this map, the 3 ranges of sales figures are illustrated as colors.

Book Sales

| Map Region | Map codes | Sales |
|----------------|-----------|-----------|
| Argentina | AR | \$330000 |
| Canada | CA | \$353000 |
| Chile | CL | \$135000 |
| United Kingdom | GB | \$578000 |
| France | FR | \$575700 |
| Germany | DE | \$805900 |
| Japan | JP | \$1257000 |
| Spain | ES | \$390100 |
| United States | US | \$2560000 |

Book Sales by Country



| |
|--------------------|
| Key: |
| Map Codes |
| Color Data |
| Pattern Data |
| Pin Character Data |
| Latitude |
| Longitude |
| <i>Pin Color</i> |

Map with Patterns

You want to enhance the color map by showing the languages into which the book was translated. You can do this by including a second set of data in the range of map data. 1-2-3 displays this second set of data as patterns (up to a maximum of 6.) In this map, patterns represent five languages into which the book was translated: Spanish, English, French, German, and Japanese.

Book Sales

| Country | Map codes | Sales | Language |
|----------------|-----------|-----------|-----------------|
| Argentina | AR | \$330000 | <i>Spanish</i> |
| Canada | CA | \$353000 | <i>English</i> |
| Chile | CL | \$135000 | <i>Spanish</i> |
| United Kingdom | GB | \$578000 | <i>English</i> |
| France | FR | \$575700 | <i>French</i> |
| Germany | DE | \$805900 | <i>German</i> |
| Japan | JP | \$1257000 | <i>Japanese</i> |
| Spain | ES | \$390100 | <i>Spanish</i> |
| United States | US | \$2560000 | <i>English</i> |

Note You may want to an already-existing choose Tools

Book Sales by Country



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|--------------------|
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| Longitude |
| Pin Color |

nt to add a new set of data
isting map. To do this,
; Map Ranges & Title.

Map with Pins

You want to call out the countries where the author will go on tour with the book. You can do this using pin characters to mark each country. For each pin character you want displayed include in the range of map data the character, the latitudinal and longitudinal coordinates at which the character is to be displayed, and (optionally) the color of the pin character.

Note For information on how to get longitudinal and latitudinal coordinates for your map, search on "Latitude" and select "Finding the Latitude and Longitude for a Pin Character."

Book Sales

| Country | Map codes | Sales | Language | Book Tour | Latitude |
|----------------|-----------|-----------|-----------------|-----------|-----------------|
| Argentina | AR | \$330000 | <i>Spanish</i> | | |
| Canada | CA | \$353000 | <i>English</i> | | |
| Chile | CL | \$135000 | <i>Spanish</i> | | |
| United Kingdom | GB | \$578000 | <i>English</i> | | |
| France | FR | \$575700 | <i>French</i> | | |
| Germany | DE | \$805900 | <i>German</i> | ▮ | 50.72621 |
| Japan | JP | \$1257000 | <i>Japanese</i> | ▮ | 37.16608 |
| Spain | ES | \$390100 | <i>Spanish</i> | | |
| United States | US | \$2560000 | <i>English</i> | ▮ | 38.76283 |

Book Sales by Country



1

2

3

- French
- German
- Japanese

| |
|--------------------|
| Key: |
| Map Codes |
| Color Data |
| Pattern Data |
| Pin Character Data |
| Latitude |
| Longitude |
| Pin Color |

ordinates
 titude

| Longitude | Pin Color |
|------------|-----------|
| 9.849256 | 80 |
| 138.63553 | 80 |
| -86.118486 | 80 |

Glossary

map code

A map code identifies a row of data in a worksheet with a specific geographic region. For information on creating custom names for map codes, search on "Regions in maps" in Help and go to the "Regions" topic. Typically, map codes consist of two-character abbreviations for map regions. For example, OR for Oregon and FR for France. Some map types support codes with more characters.

map data bin

Lotus Map groups values and labels in your worksheet into bins. Lotus 1-2-3 displays each bin as a color or pattern in your map. For example, ranges of currency values may be represented by colors. Languages, such as Spanish and French, may be represented by patterns.

map legend

Just as the legend for a chart explains the meaning of the colors and patterns in a chart, a map legend explains the meanings of colors and patterns in a map. For example, ranges of currency values may be represented by colors. Languages, such as Spanish and French, may be represented by patterns.

map type

Lotus 1-2-3 provides the following maps:

- ◆ World Countries
- ◆ USA by State (continental United States)
- ◆ Alaska
- ◆ Hawaii
- ◆ Canada by Province
- ◆ European Union by Region
- ◆ Europe by Country
- ◆ Japan by Prefecture
- ◆ Mexico by Estado
- ◆ Australia by State

You can use many kinds of maps with Lotus Map. For information about ordering additional geographic and demographic data, search on "Purchasing additional maps"

in Help and go to the "Purchasing More Maps" topic.

pin character

Symbols or labels that you can add to your map just as you might write annotations or stick pins on a paper map. For each pin character, you must provide the character in one column and the latitude and longitude in the next two columns, and optionally you can define the color of the pin character. For information on how to get the latitudinal and longitudinal coordinates for your map, search on "Latitude" in Help and go to "Finding the Latitude and Longitude for a Pin Character."

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