

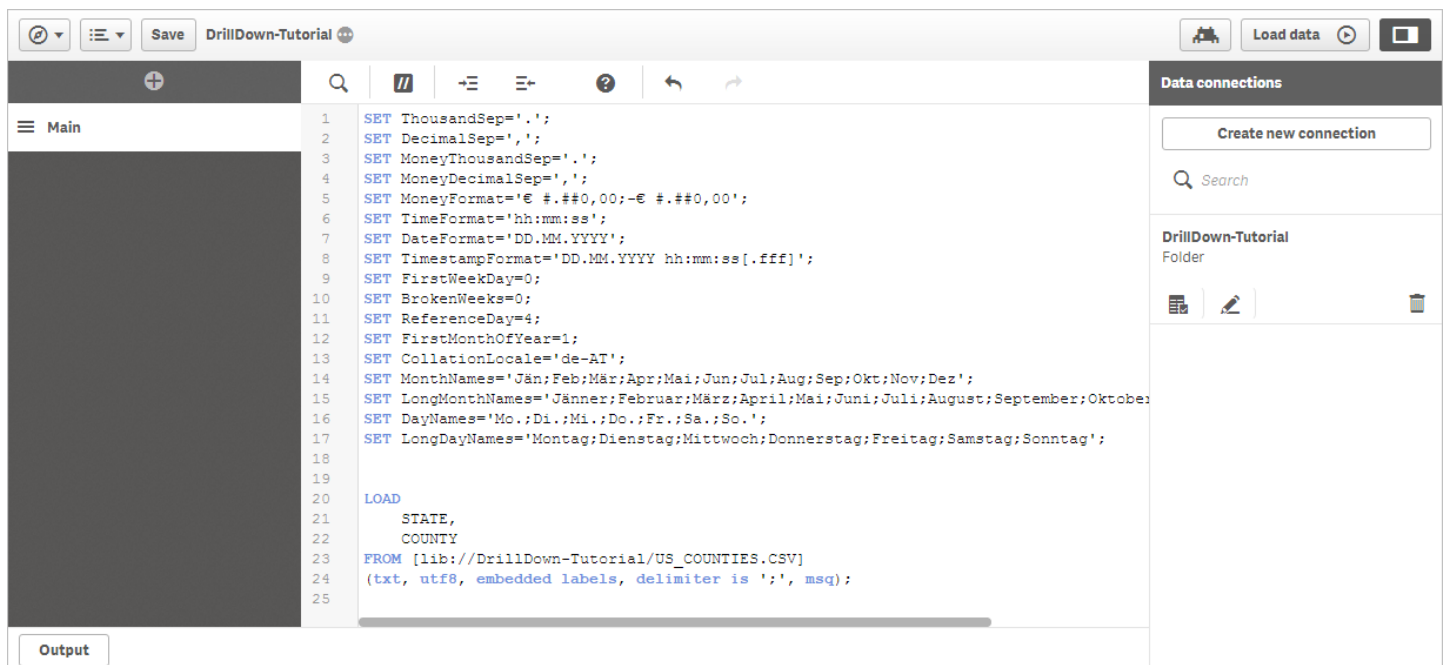
# Create a Drilldown Map in 5 Steps

## Requirements:

- Qlik Sense Desktop installed (<https://www.qlik.com/us/try-or-buy/download-qlik-sense>)
- NPGeoMap for Qlik Sense installed (</index.php/en/demoversion-en>)

## Step 1

Create a new Qlik Sense App and load the file (</index.php/de/downloads-free/send/3-npgeomap-public/54-tutorial-drilldown-data-for-brd-zip-area-plzde-csv>)USCounties.CSV (</index.php/de/component/jdownloads/send/9-tutorials/53-tutorial-drilldown-data-for-us-countys-us-counties-csv>)



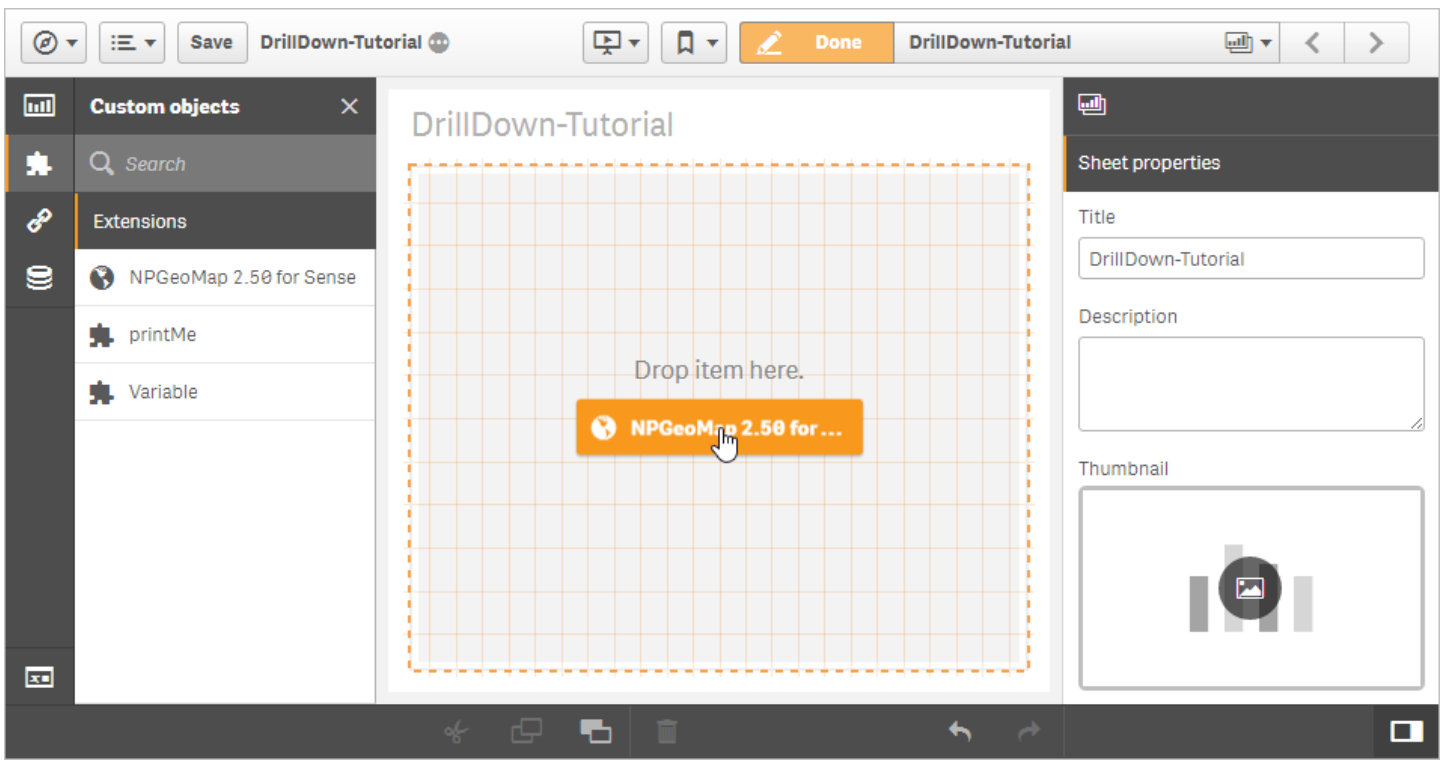
The screenshot shows the Qlik Sense Desktop interface. The main window displays a script editor with the following script:

```
1 SET ThousandSep='.';
2 SET DecimalSep=',';
3 SET MoneyThousandSep='.';
4 SET MoneyDecimalSep=',';
5 SET MoneyFormat='€ #.##0,00;-€ #.##0,00';
6 SET TimeFormat='hh:mm:ss';
7 SET DateFormat='DD.MM.YYYY';
8 SET TimestampFormat='DD.MM.YYYY hh:mm:ss[.fff]';
9 SET FirstWeekDay=0;
10 SET BrokenWeeks=0;
11 SET ReferenceDay=4;
12 SET FirstMonthOfYear=1;
13 SET CollationLocale='de-AT';
14 SET MonthNames='Jän;Feb;Mär;Apr;Mai;Jun;Jul;Aug;Sep;Okt;Nov;Dez';
15 SET LongMonthNames='Jänner;Februar;März;April;Mai;Juni;Juli;August;September;Oktober';
16 SET DayNames='Mo.;Di.;Mi.;Do.;Fr.;Sa.;So.';
17 SET LongDayNames='Montag;Dienstag;Mittwoch;Donnerstag;Freitag;Samstag;Sonntag';
18
19
20 LOAD
21     STATE,
22     COUNTY
23 FROM [lib://DrillDown-Tutorial/US_COUNTIES.CSV]
24 (txt, utf8, embedded labels, delimiter is ';', msq);
25
```

The interface includes a top toolbar with 'Save' and 'DrillDown-Tutorial' buttons, a search bar, and a 'Data connections' panel on the right with a 'Create new connection' button and a search field. The 'Output' panel at the bottom is currently empty.

## Step 2

Create and open a new sheet in Qlik Sense and drag a NPGeoMap Object on the sheet.



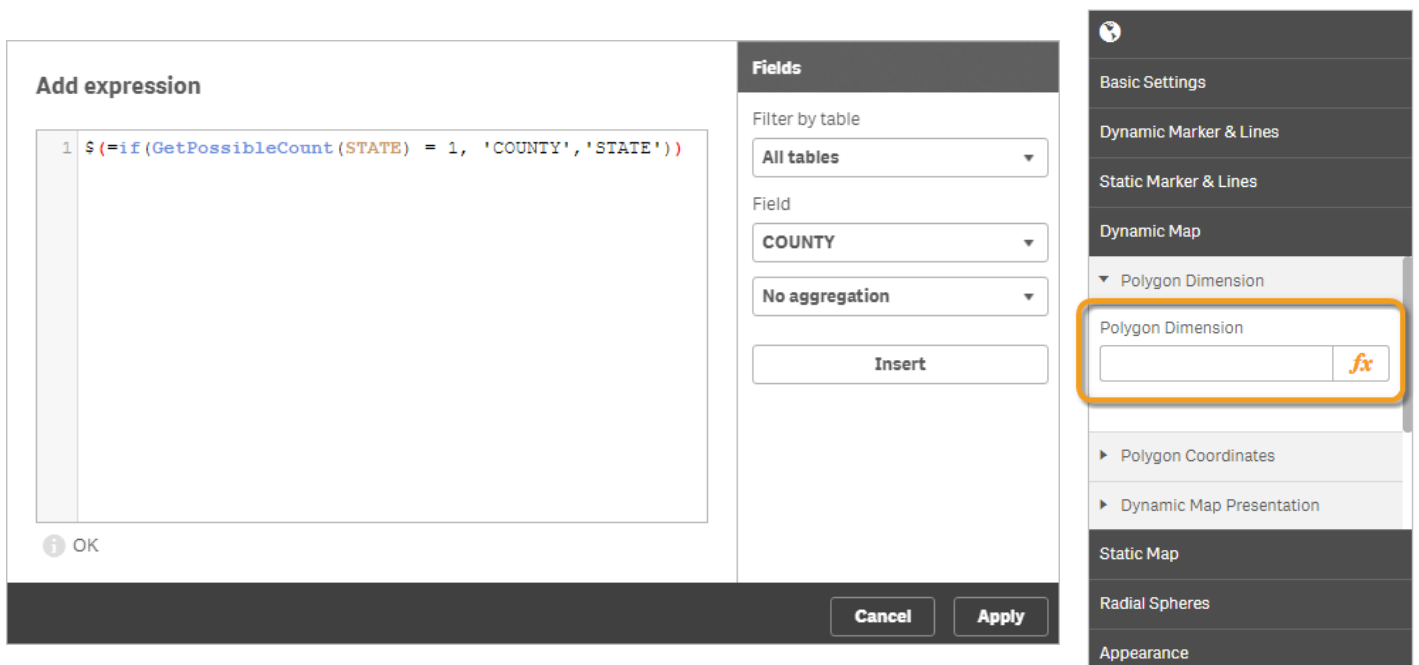
### Step 3

Now go to "Dynamic Map" and open the fx-Expression-Editor in "Polygon Dimension" to enable loading the supplied map files. Since we want to display different maps, depending on the drilldown level and the selection respectively, we need to set a condition here:

```
$ (=if(GetPossibleCount(STATE) = 1, 'COUNTY', 'STATE'))
```

Copy the formula and paste it inside the expression.

Explanation: If only one State is selected, the Dimension "County" is used, else the Polygon Dimension is "State".



### Step 4

Now go to "Polygon Coordinates" and open the fx-Expression-Editor "Source" to enable loading the supplied map files. Since we want to display different maps, depending on the drilldown level and the selection respectively, we need to set a condition here:

```
if(GetPossibleCount(STATE) = 1, 'US_2.geo', 'US_1.geo')
```

Copy the formula and paste it inside the expression.

Explanation: If only one State is selected, the map "US\_2.geo" showing the counties is loaded. Else "US\_1.geo" showing the states will be loaded.

The screenshot shows the NPGeoMap configuration interface. On the left is the 'Edit expression' dialog with a code editor containing the following code:

```
1 if(GetPossibleCount(STATE) = 1, 'US_2.geo', 'US_1.geo')
2
3 // DYNAMIC MAP SOURCE
4
5 /*
6 //YOU CAN USE THE COORDINATES TAG INSIDE THE POLYGON E
7 ENTER MAP FILENAME BETWEEN THE SINGLE QUOTATION
8 */
9 //NPGeoMap comes with a basic set of 12 maps - more th
10
11 //& 'AT_0.GEO' //AUSTRIA COUNTRY
12 //& 'AT_1.GEO' //AUSTRIA BUNDESLAND
13 //& 'AT_2.GEO' //AUSTRIA BEZIRK
14 //& 'DE_0.GEO' //GERMANY COUNTRY
15 //& 'DE_1.GEO' //GERMANY BUNDESLAND
16 //& 'DE_2.GEO' //GERMANY BEZIRK
17 //& 'DE_3.GEO' //GERMANY ZIP AREAS 1
```

In the center is the 'Fields' panel with the following settings:

- Filter by table: All tables
- Field: COUNTY
- No aggregation
- Buttons: Insert, Cancel, Apply

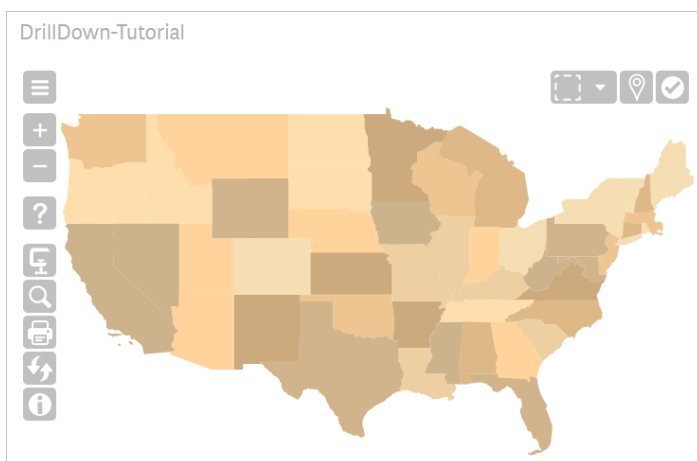
On the right is the 'Dynamic Map' settings panel, where the 'Source' field is highlighted with an orange box and contains the expression: `= " // DYNAMIC MAP SOURCI` with an 'fx' icon.

## Step 5

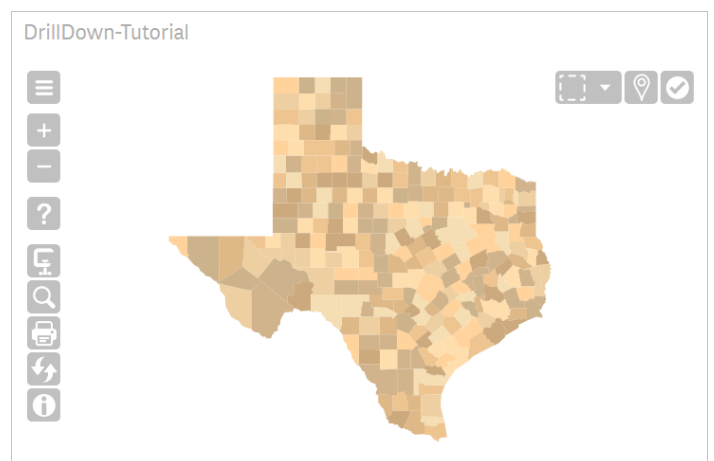
Your Drilldown Map is ready!

Now you see a map of the States. If a single State (polygon) is selected - either with a double click or the selection menu (upper right corner) - the map changes and shows Counties then.

"US\_1.geo" - States



"US\_2.geo" - Counties



Download the completed app here (</index.php/de/component/jdownloads/send/9-tutorials/58-qlik-sense-tutorial-drilldown-us-counties-application>). Find further details and instructions inside the NPGeoMap Manual ([/help/npgeomapsense/2.5/help\\_en/index.html](/help/npgeomapsense/2.5/help_en/index.html)).