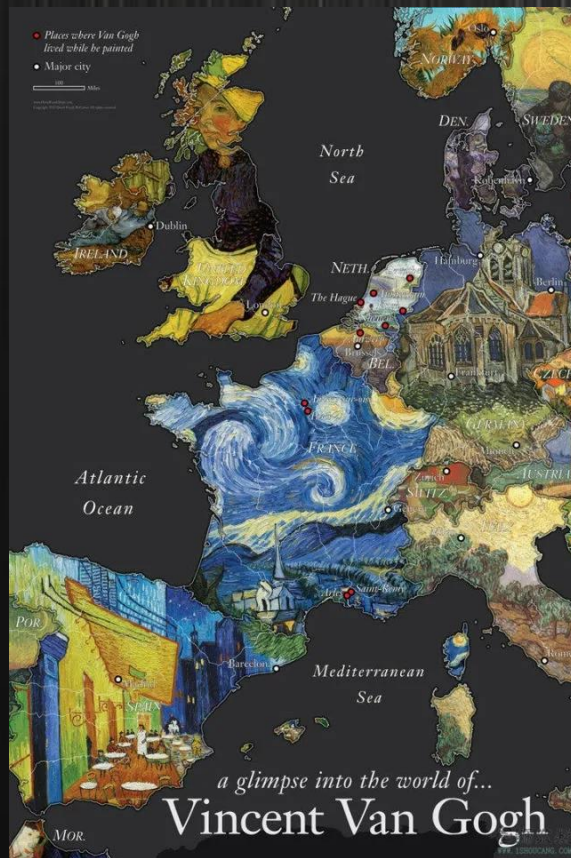
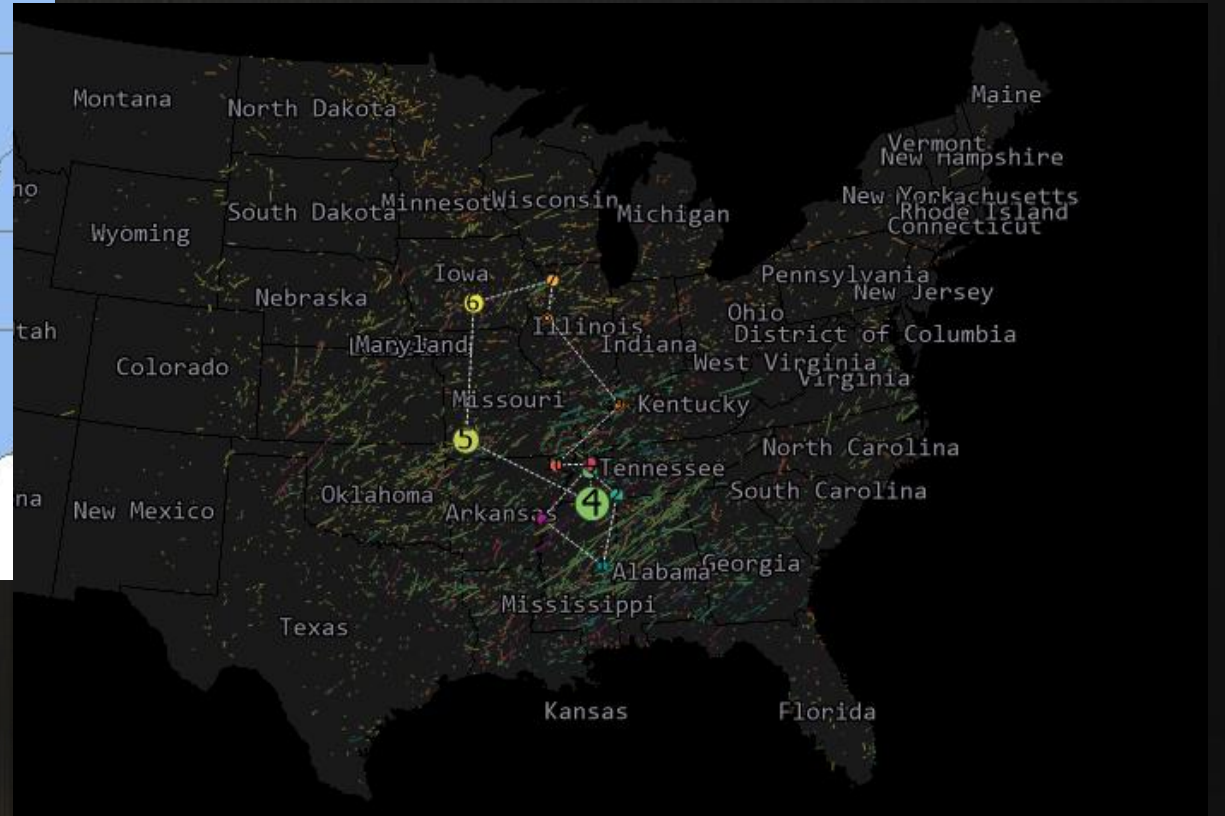


Two-dimensional Electronic Mapping

Report by Lu Yuwei 2020.12.16

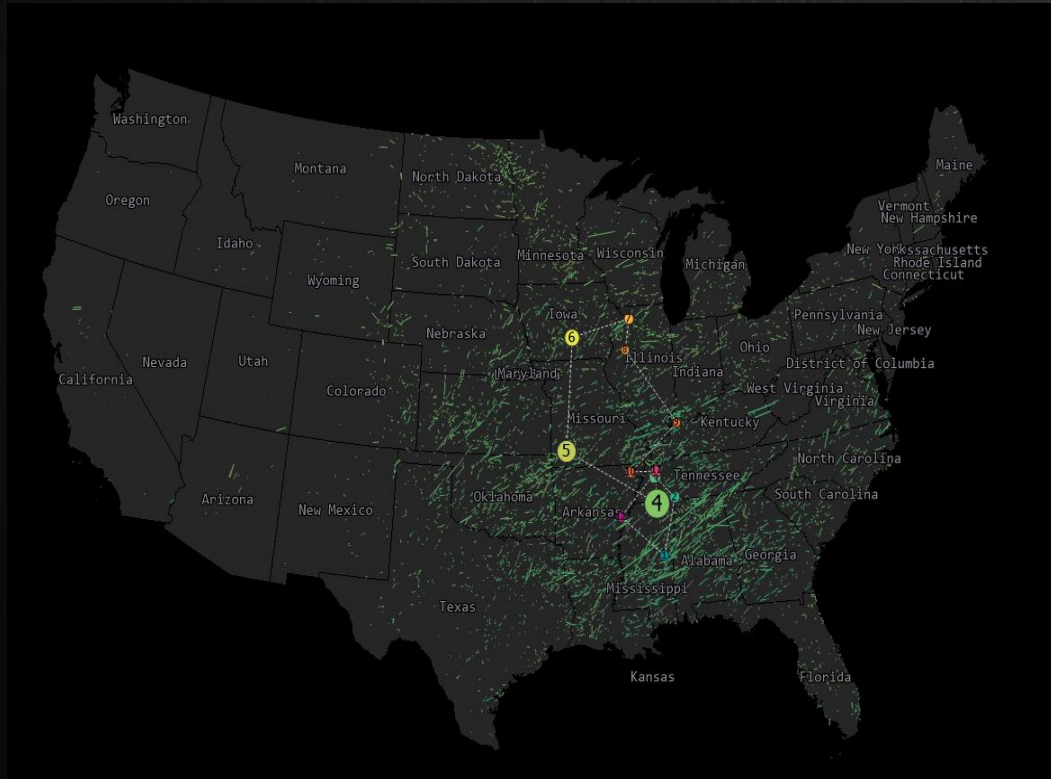


Map is an important part of GIS output and display results, and it is also one of the important data sources of GIS.

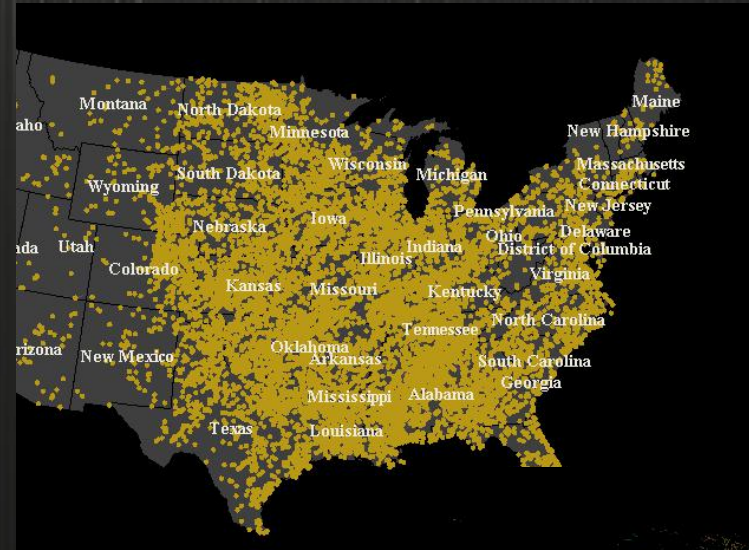


- How to set style for a map?
- Tips for visualization an electronic map.

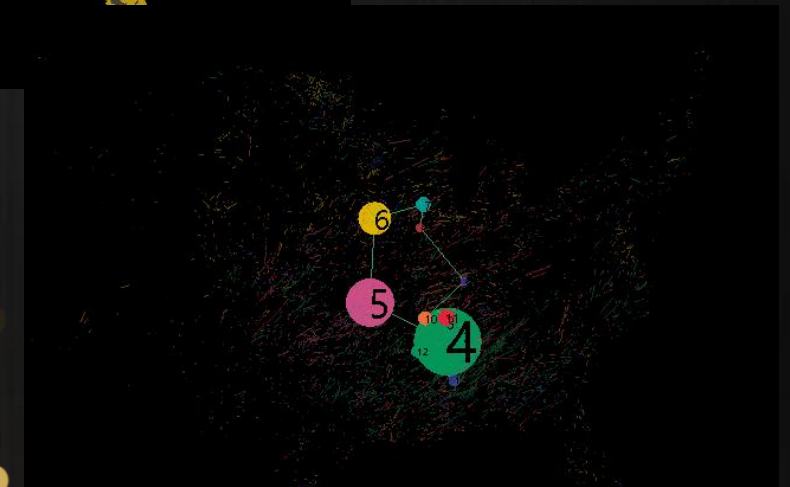
Two-dimensional electronic map



Two-dimensional map



General layer

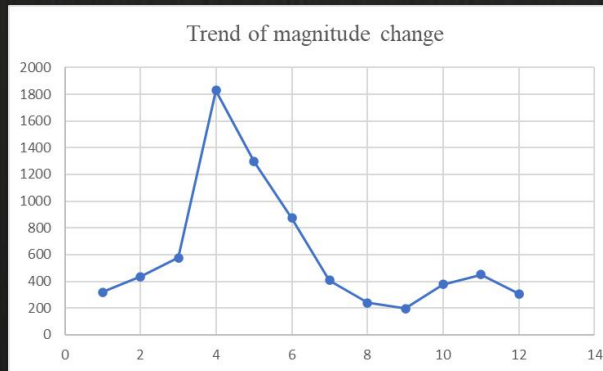


Thematic layer

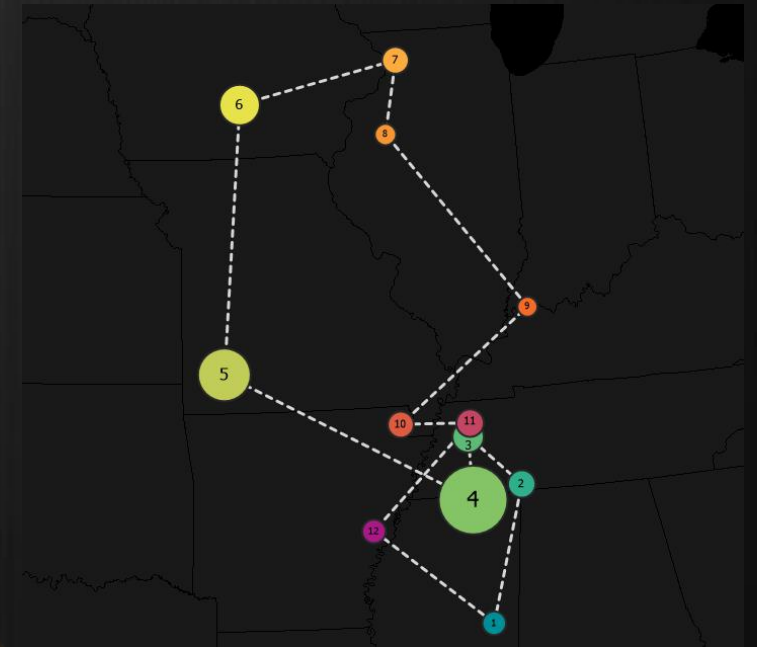
Visualization

-Its purpose is to show the information hidden in the data directly to people.

No	SmUserID	Month_Group	Magnitude_Sum
1	0	1	319
2	0	2	435
3	0	3	575
4	0	4	1,829
5	0	5	1,297
6	0	6	874
7	0	7	408
8	0	8	238
9	0	9	195
10	0	10	377
11	0	11	452
12	0	12	307

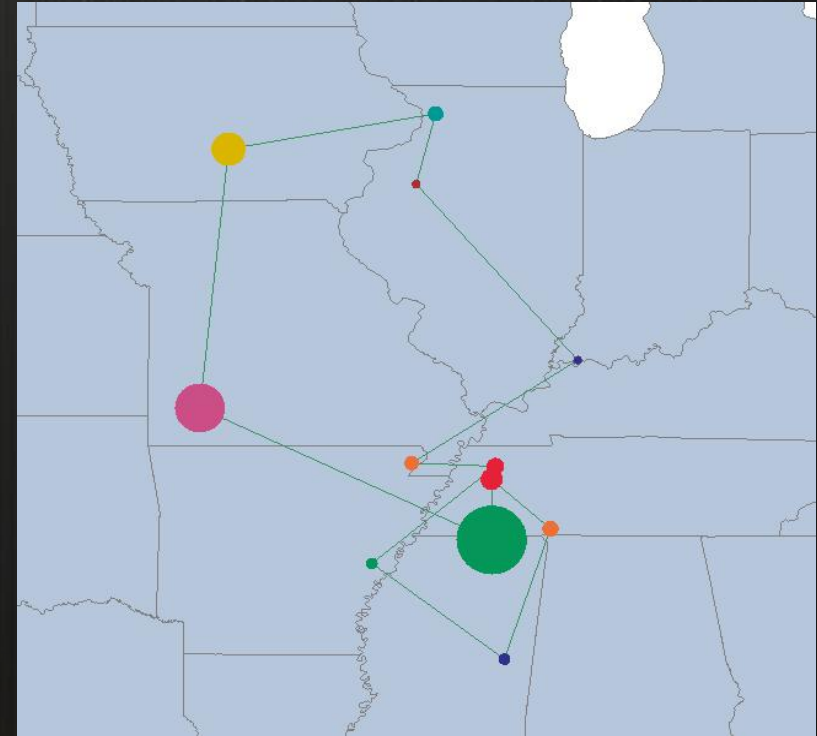
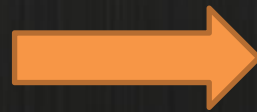
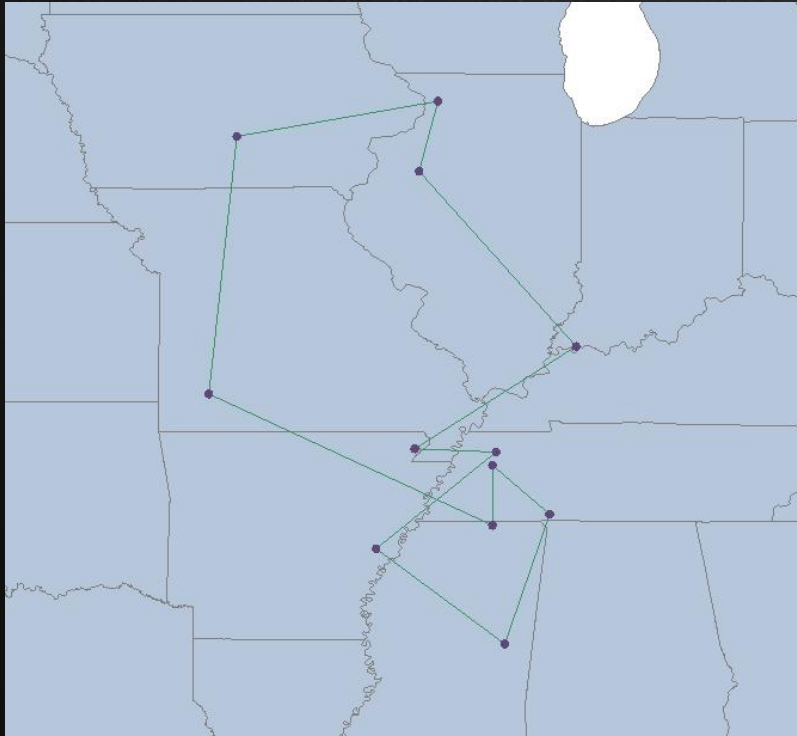


Make a line chart to show the trend of the data.



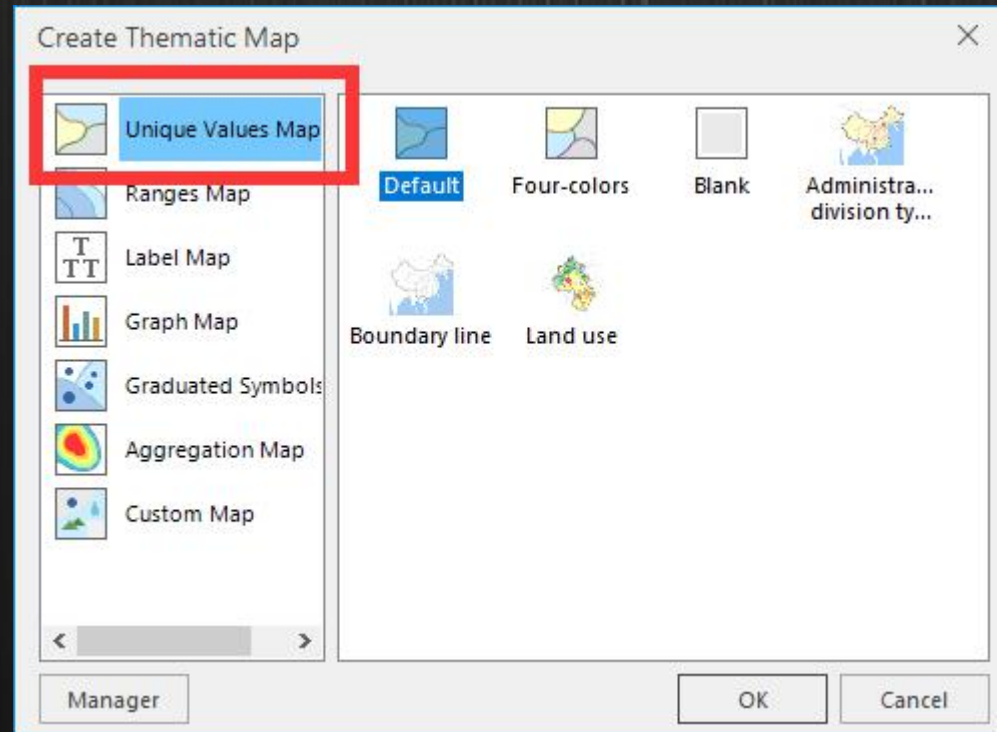
Browse the attribute table of
'ResultMeanCenter_P'

Visualization



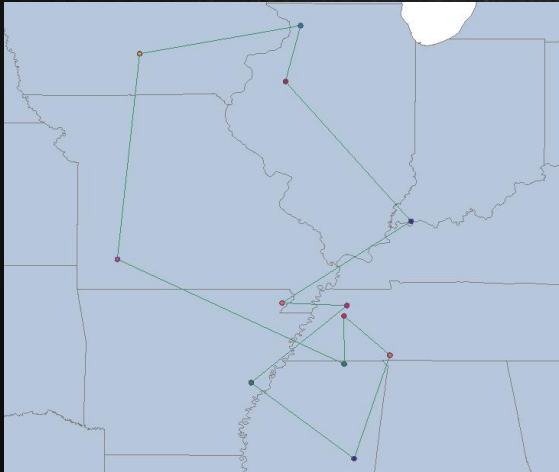
The calculated mean center actually contains the weighted center point of the **tornado level**, and this weight can also be **expressed in different sizes** when drawing.

Create a unique value thematic map



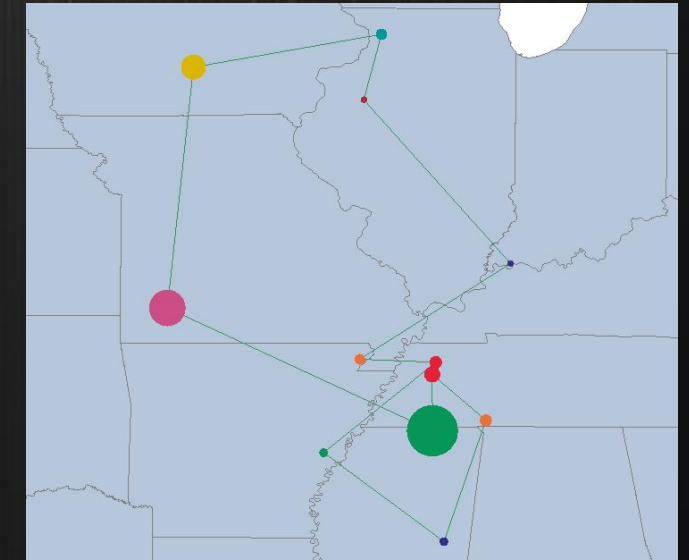
Unique value map: it divides the objects with the same property fields into a class, and set a render style (such as color and symbol)for each class. Unique value maps contribute the data type, but they can't express the quantity information.

Visualization



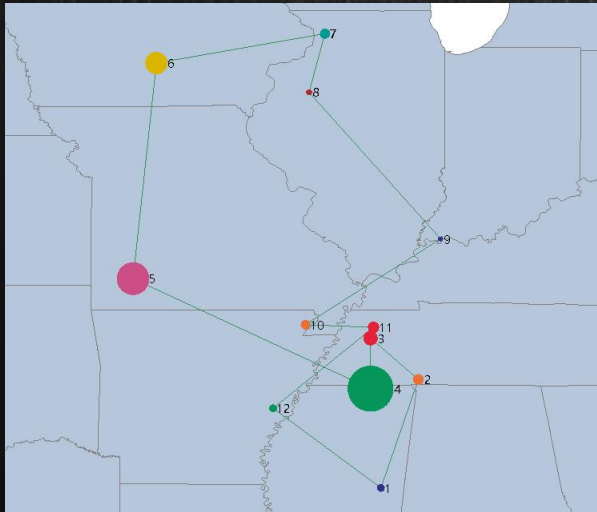
First, add the center point data set to the map window, use the "Month" field to make a unique value thematic map, and secondly, we select the appropriate color scheme.

Vis...	Styles	Unique Value	Title
<input checked="" type="checkbox"/>		1	1
<input type="checkbox"/>		2	2
<input type="checkbox"/>		3	3
<input type="checkbox"/>		4	4
<input type="checkbox"/>		5	5
<input type="checkbox"/>		6	6

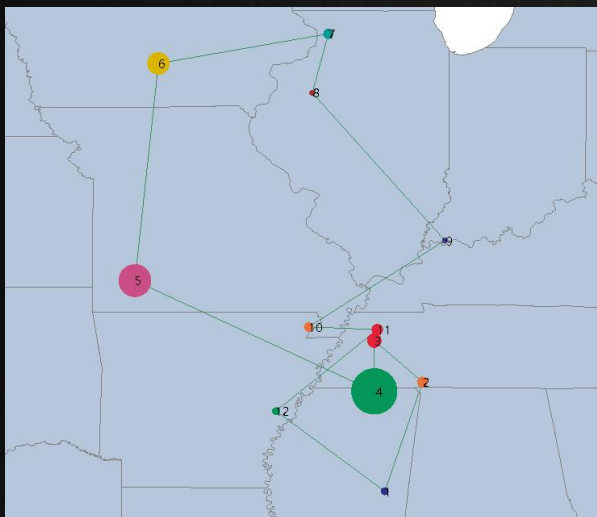


Thirdly, check the "Symbol Size" option and set the symbol size with an expression, to make the symbol size positively correlate with the sum of the tornado levels.

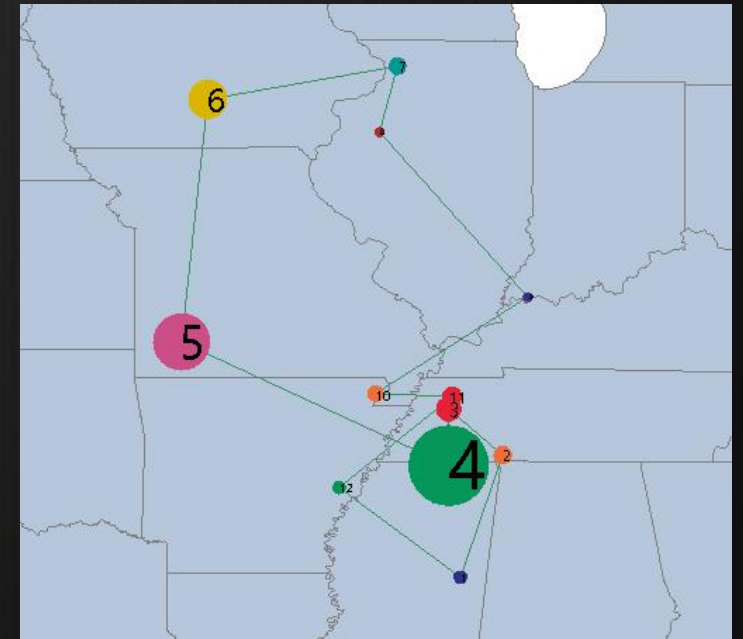
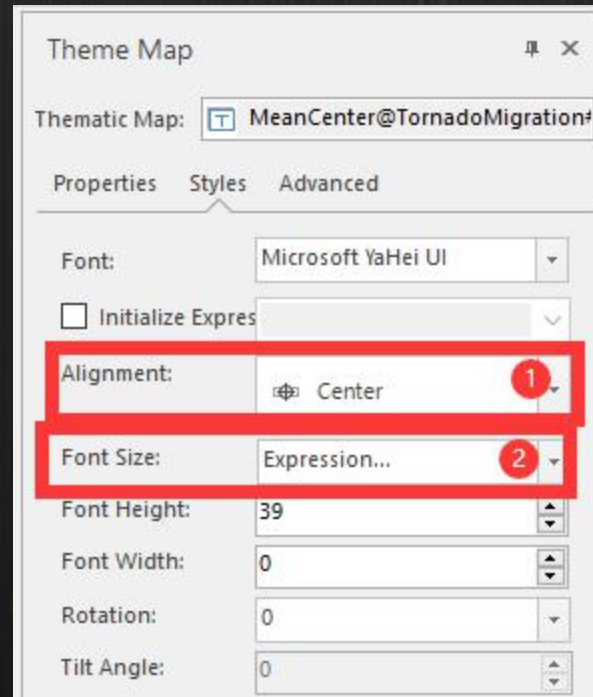
Visualization



Before



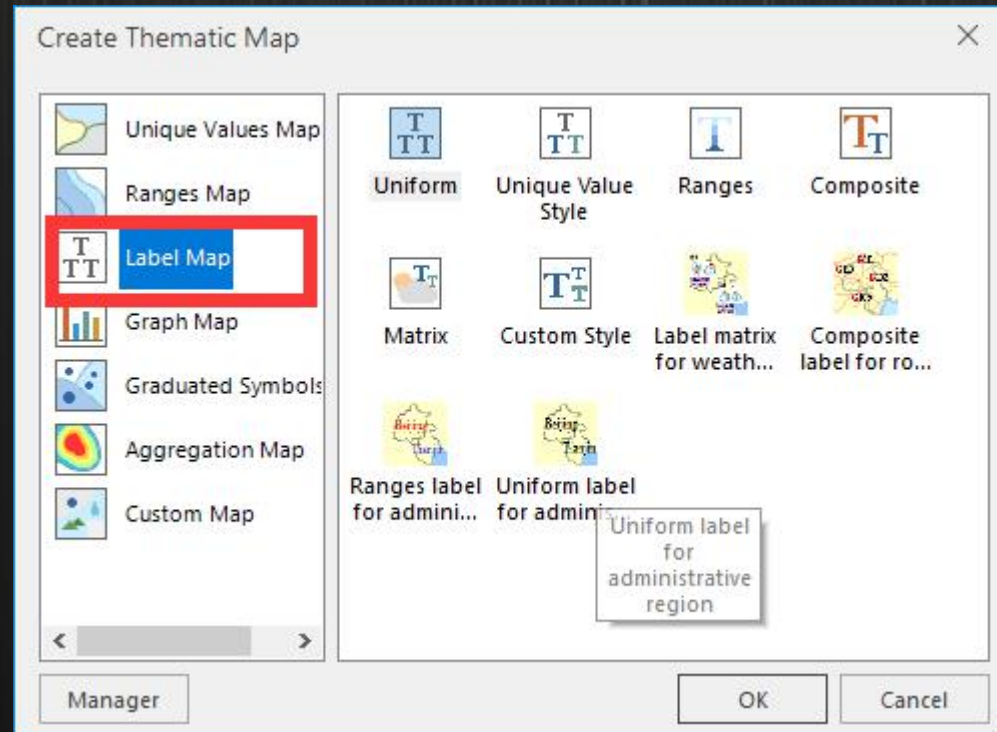
After



Result

Check the “**Show Overlays**” in the “L Properties” tab to display the label to the center of the center point symbol.

Create a label map

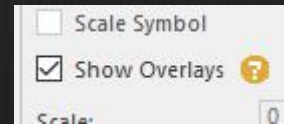


Label map: label maps are used to annotate point, line, or region objects on the map with text or numbers. For example, you can create a label map for a river dataset to annotate the rivers with their names or lengths on the map.

Label map



“Show Overlays” On



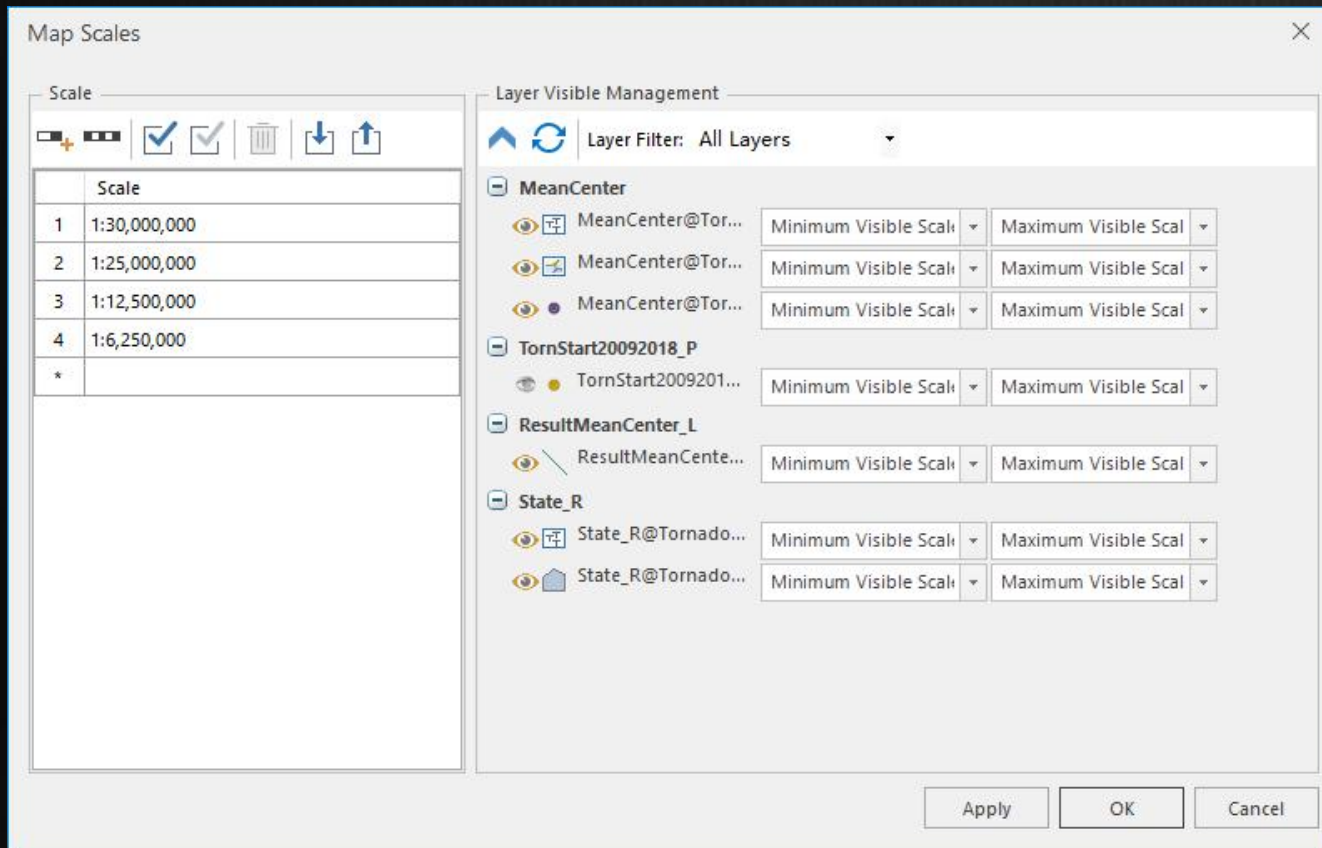
‘Layer Properties’



“Show Overlays” Off

Mapping for scales

Method: Layer manager → Map Scales



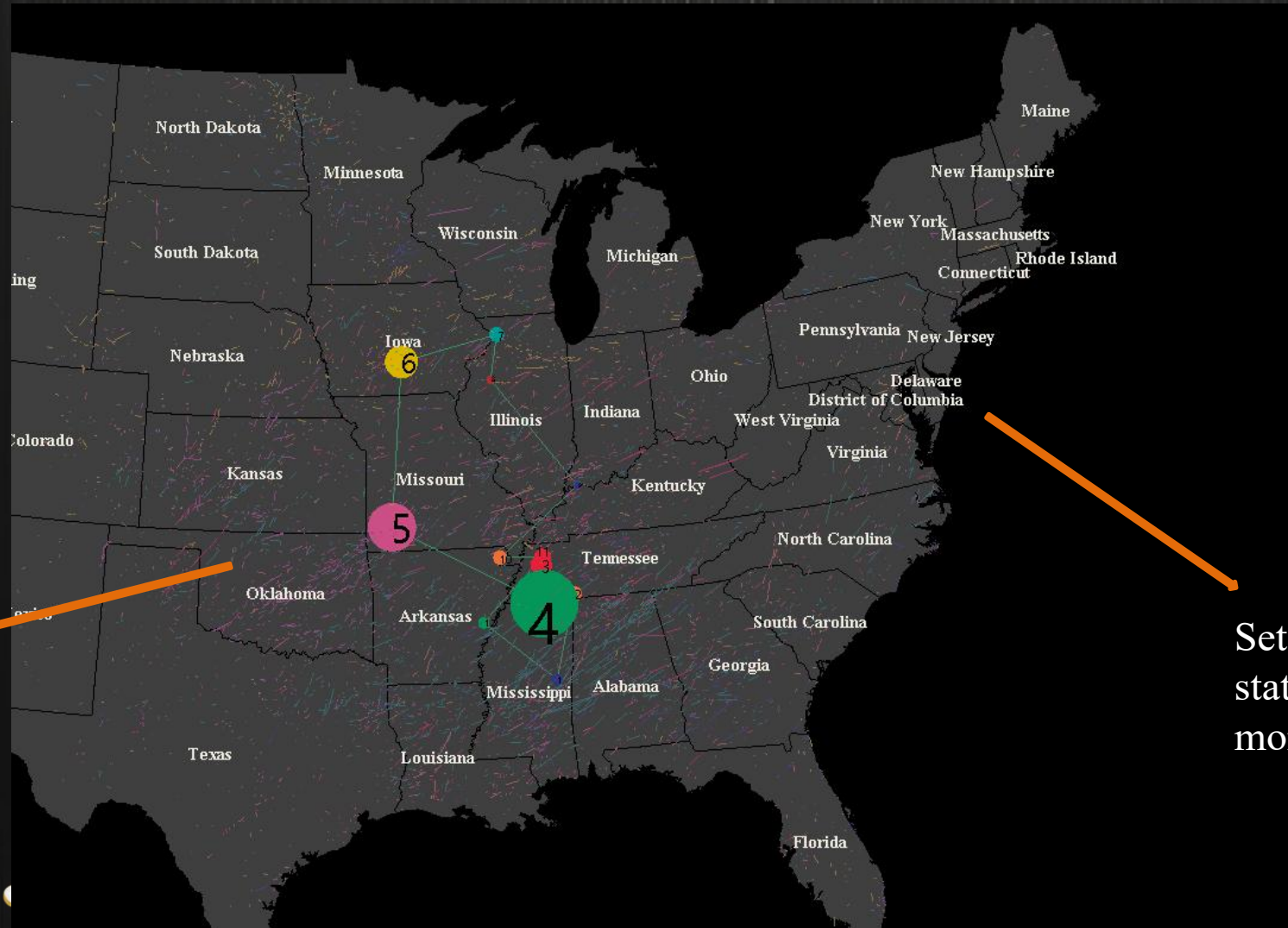
Max Visible Scale

If current map scale \geq given value, the layer will not be visible.

Min Visible Scale

If current map scale $<$ given value, the layer will not be visible.

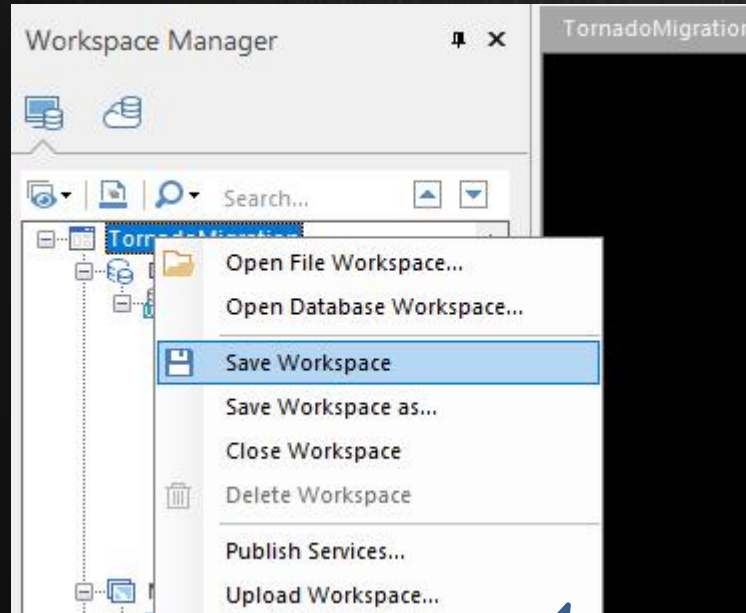
Set map style



Add tornado
line data to
show its path.

Set the label layer of
state name to be
more clear to see.

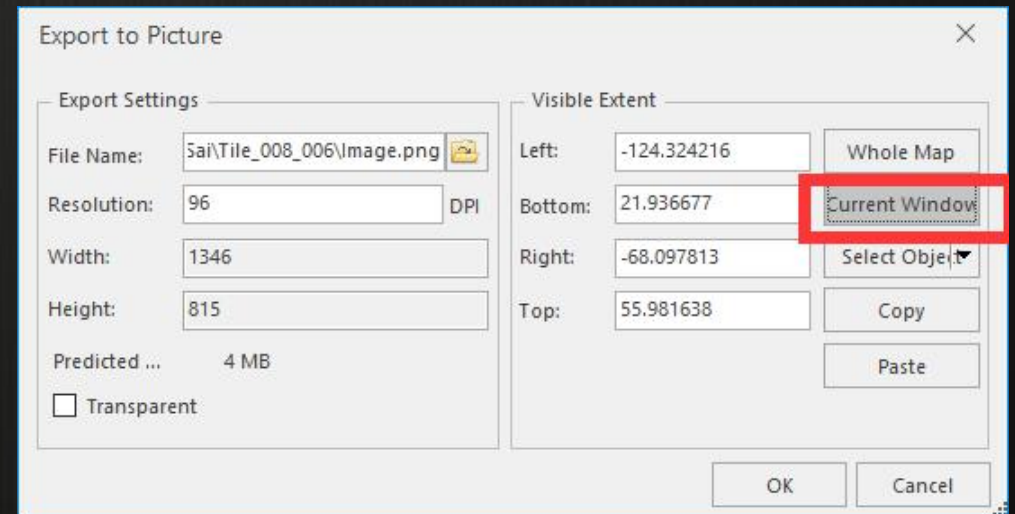
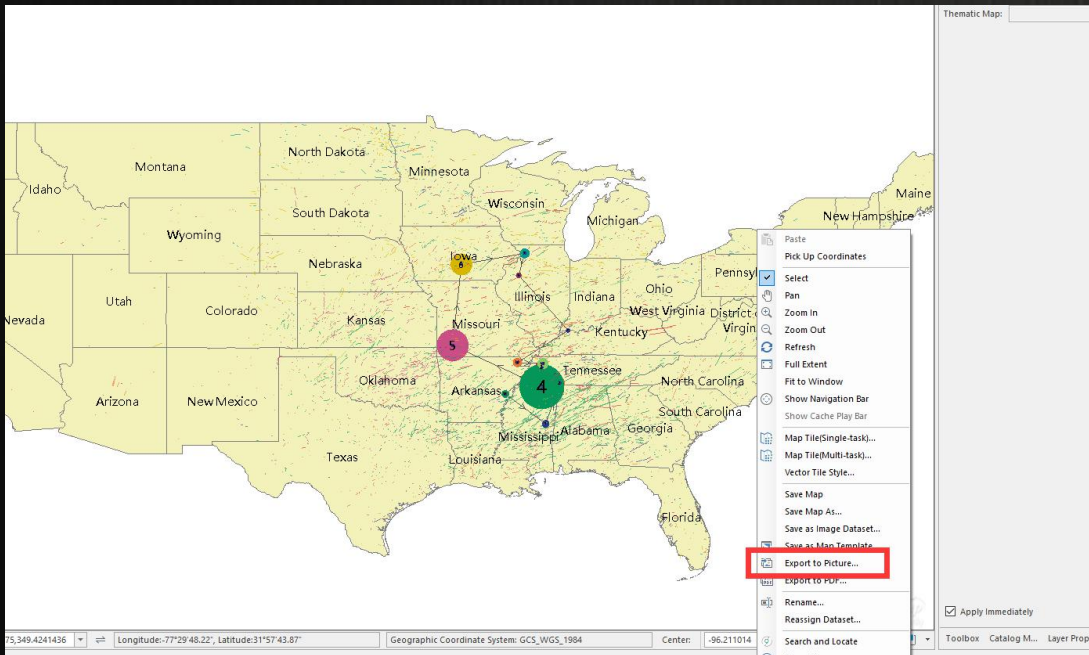
Save map and workspace



Save Map: map window → Right Click → Save Map

Workspace: Start → Workspace → Save

How to save a map



Training Course



SuperMap GIS
SUBSCRIBE US!

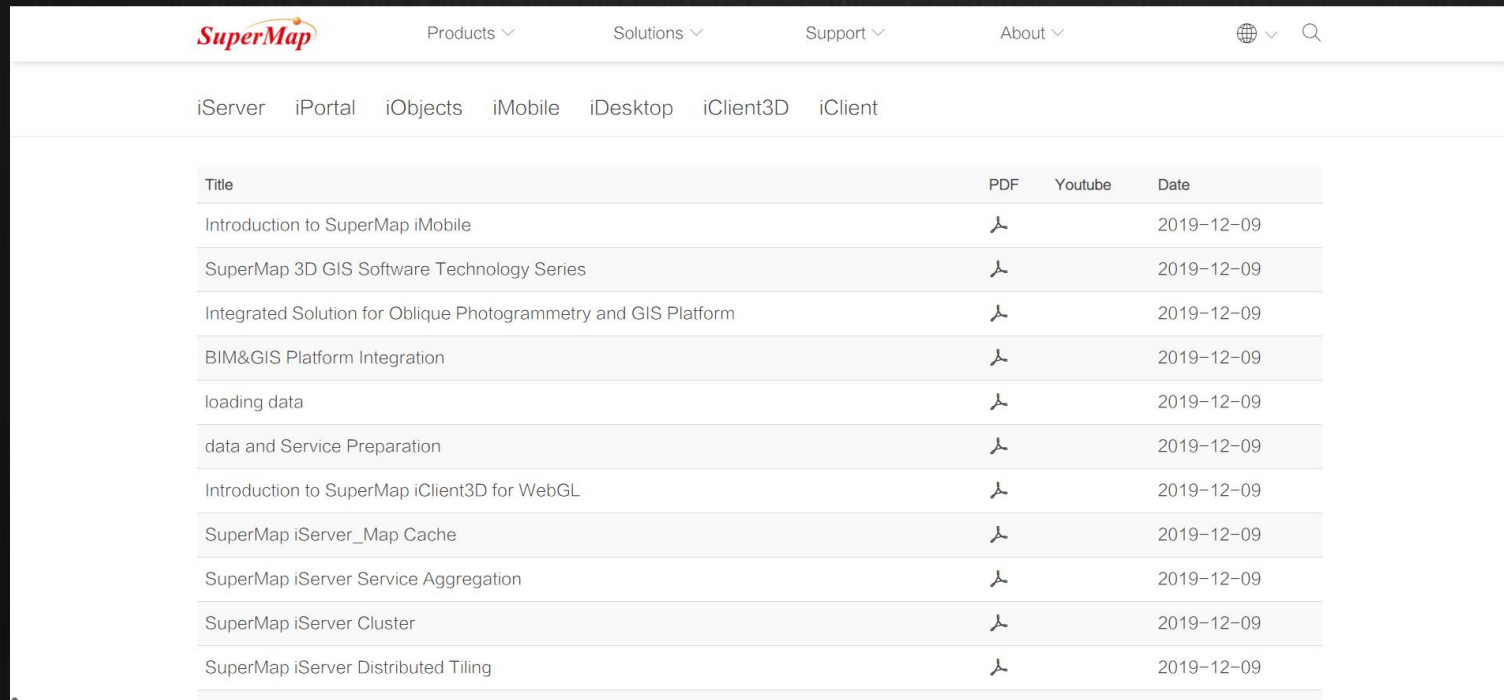
The screenshot shows the YouTube channel page for SuperMap GIS, which has 1.2K subscribers. The 'PLAYLISTS' tab is selected, indicated by a red arrow. The page displays a grid of 15 playlists, each with a thumbnail, a title, an update date, and a 'VIEW FULL PLAYLIST' link. The playlists are:

- SuperMap Mini Classroom** (17 videos, updated yesterday)
- SuperMap Mobile Solutions** (3 videos, updated 4 days ago)
- Bangladesh Webinar** (3 videos, updated 6 days ago)
- SuperMap iDesktop 9D** (44 videos)
- SuperMap GIS Forum Online** (8 videos)
- Mongolia Webinar** (5 videos)
- 2020 SuperMap GIS Contest Training** (12 videos)
- Indonesian Spatial Today Webinar (In Indonesian)** (2 videos)
- SuperMap - BIM & SuperMap BigData Analisis 3D (In Spanish)** (1 video)
- French Webinar (In French)** (3 videos)
- Communication Signal Strength Simulation** (3 videos)
- Hardware license** (16 videos)












Training Course

SuperMap Official website address:

https://www.supermap.com/en-us/list/?118_1.html



The screenshot shows the SuperMap website's training course list. The page features a navigation bar with the SuperMap logo and menu items: Products, Solutions, Support, and About. Below the navigation bar, there are links for iServer, iPortal, iObjects, iMobile, iDesktop, iClient3D, and iClient. The main content area displays a table of training courses with columns for Title, PDF, Youtube, and Date.

Title	PDF	Youtube	Date
Introduction to SuperMap iMobile			2019-12-09
SuperMap 3D GIS Software Technology Series			2019-12-09
Integrated Solution for Oblique Photogrammetry and GIS Platform			2019-12-09
BIM&GIS Platform Integration			2019-12-09
loading data			2019-12-09
data and Service Preparation			2019-12-09
Introduction to SuperMap iClient3D for WebGL			2019-12-09
SuperMap iServer_Map Cache			2019-12-09
SuperMap iServer Service Aggregation			2019-12-09
SuperMap iServer Cluster			2019-12-09
SuperMap iServer Distributed Tiling			2019-12-09

Reach us here!



Thank You!