

DR. ALVIN'S PUBLICATIONS

LEARNING TABLEAU

PART IV MAPS

DR. ALVIN ANG



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WWW.ALVINANG.SG

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A. KML.....31

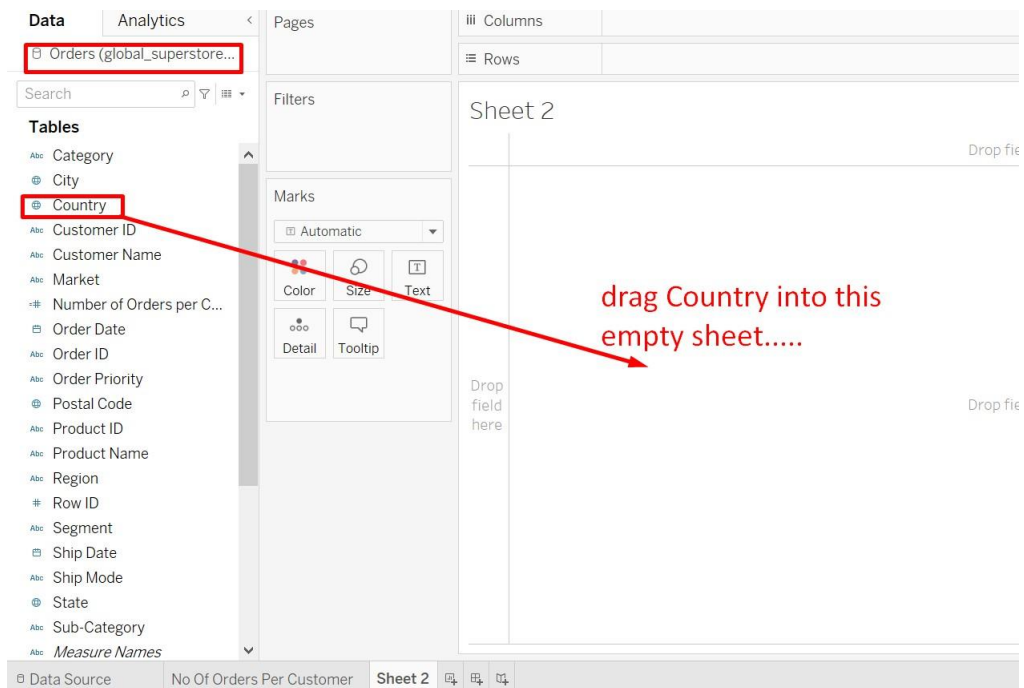
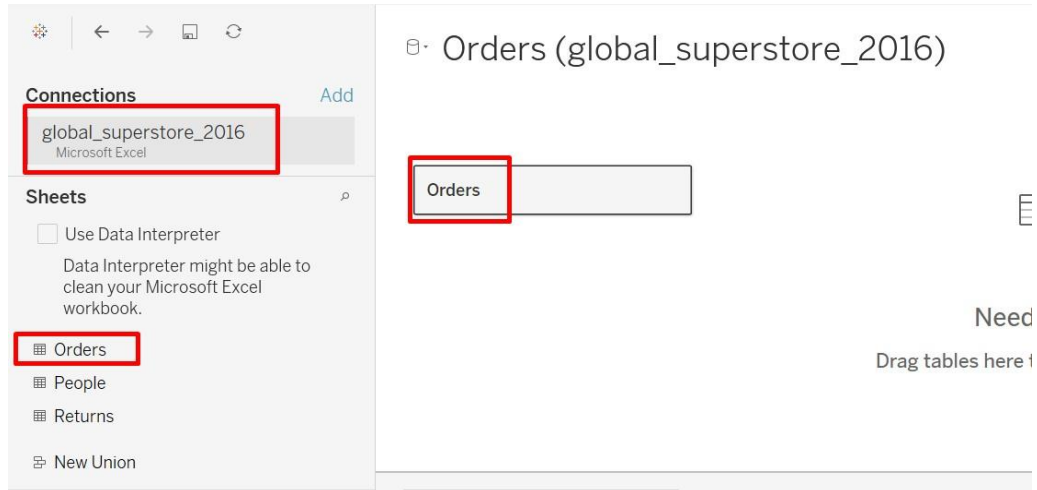
B. SHP.....33

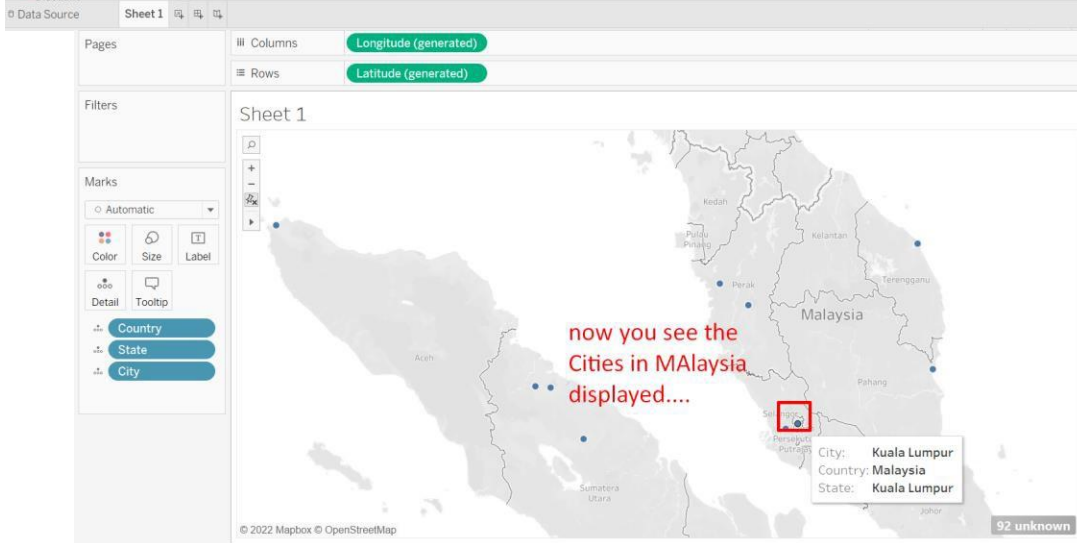
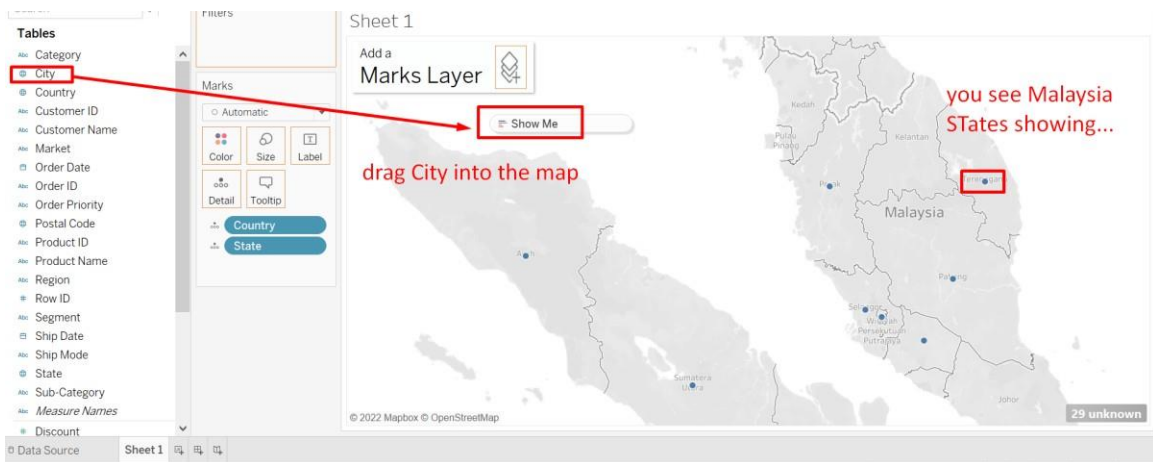
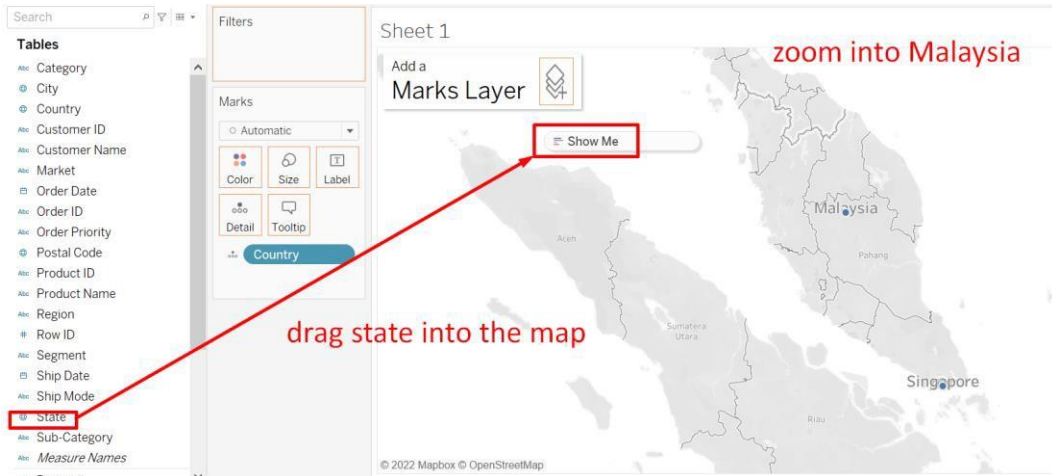
IX. Density Map38

About Dr. Alvin Ang41

I. COUNTRY / STATE / CITY

File can be found here: https://www.alvinang.sg/s/global_superstore_2016.xlsx





II. GOOGLE MAPS

Tableau - Book1

File Data Server Window Help

Orders (global_superstore_2016)

Connection: Live Extract Filters: 0 | Add

Connections: global_superstore_2016 (Microsoft Excel)

Sheets: Orders

Use Data Interpreter: Data Interpreter might be able to clean your Microsoft Excel workbook.

Orders

Need more data? Drag tables here to relate them. [Learn more](#)

Orders 24 fields 51290 rows 100 rows

Row ID	Order ID	Order Date	Ship Date	Ship Mode
40098	CA-2014-ABI0015140-41954	11/11/2014	11/13/2014	First Cl
26341	IN-2014-JR162107-41675	2/5/2014	2/7/2014	Second
25330	IN-2014-CR127307-41929	10/17/2014	10/18/2014	First Cl
13524	ES-2014-KM1637548-41667	1/28/2014	1/30/2014	First Cl

Data Source

Tableau - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Columns: Longitude (generated)

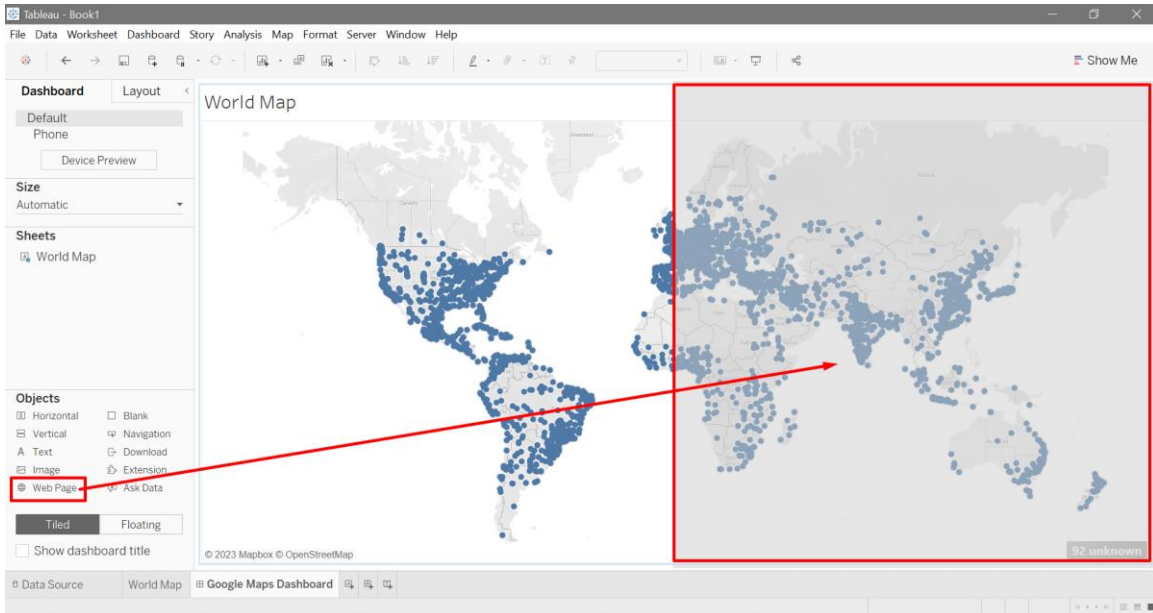
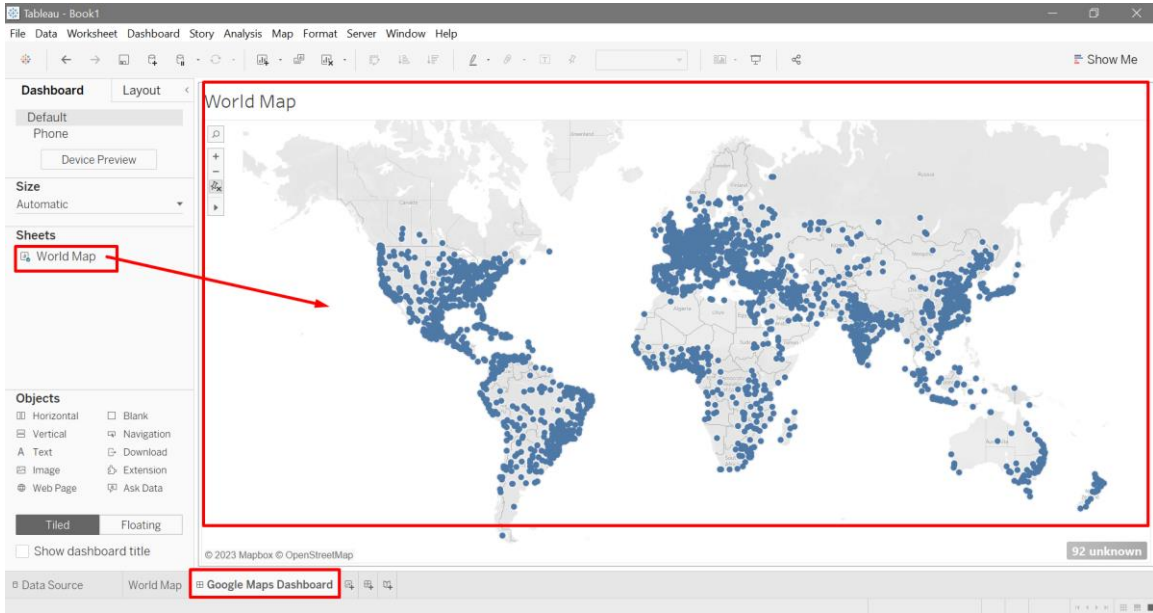
Rows: Latitude (generated)

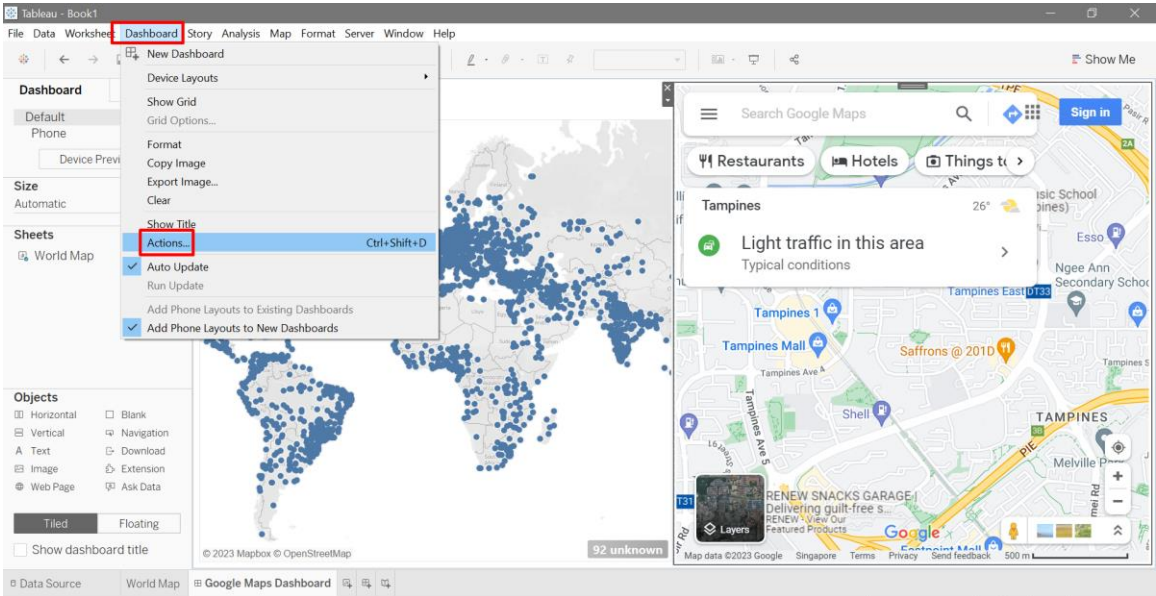
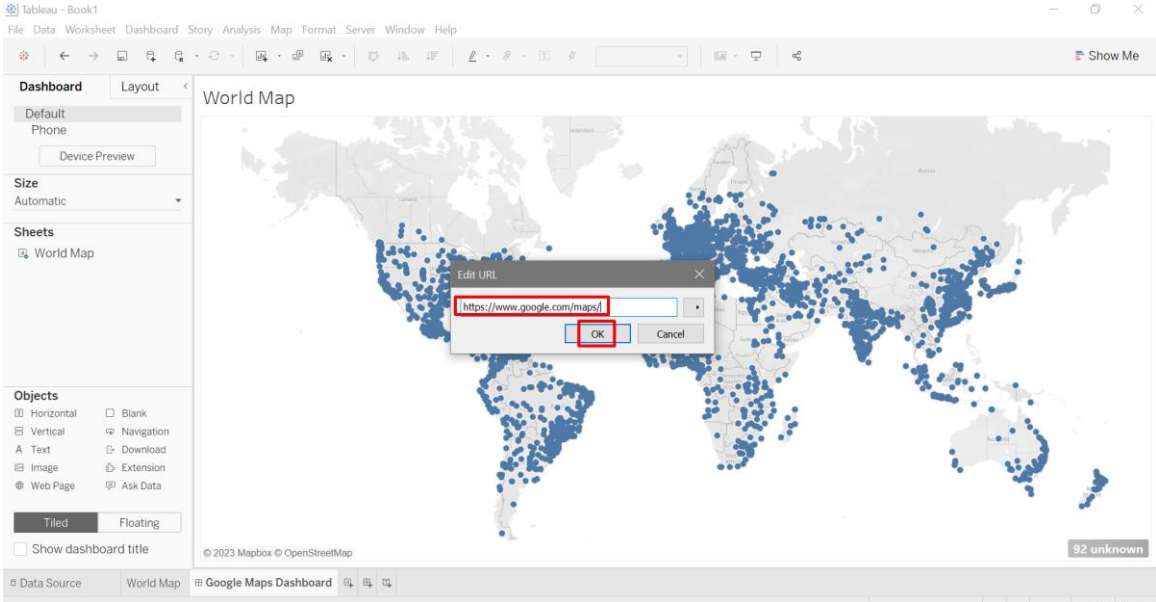
World Map

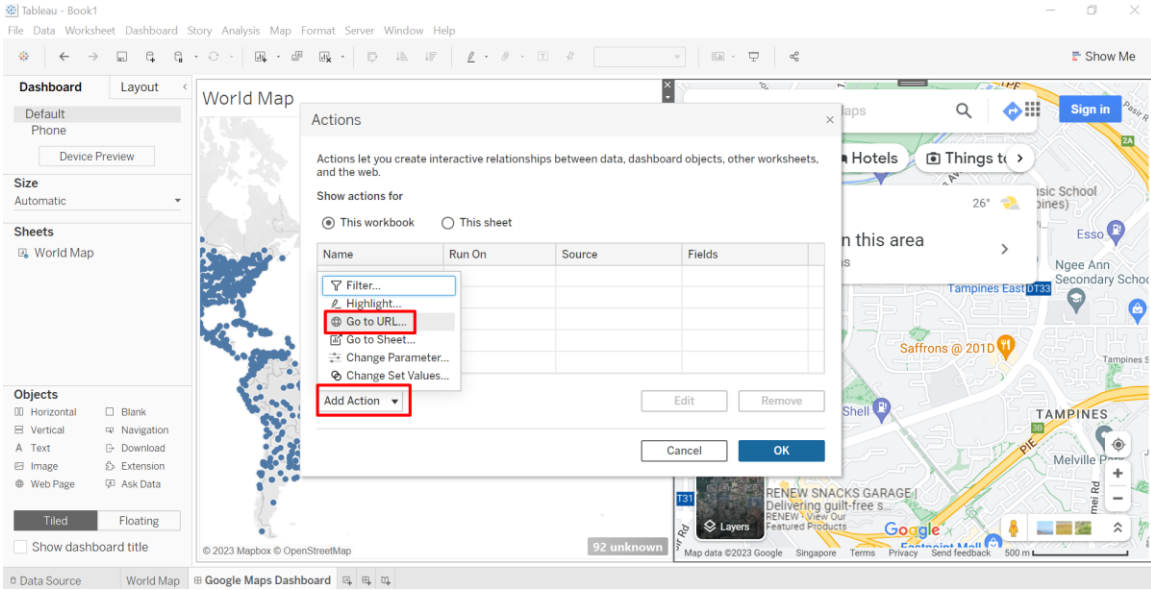
Geography: Country, State, City

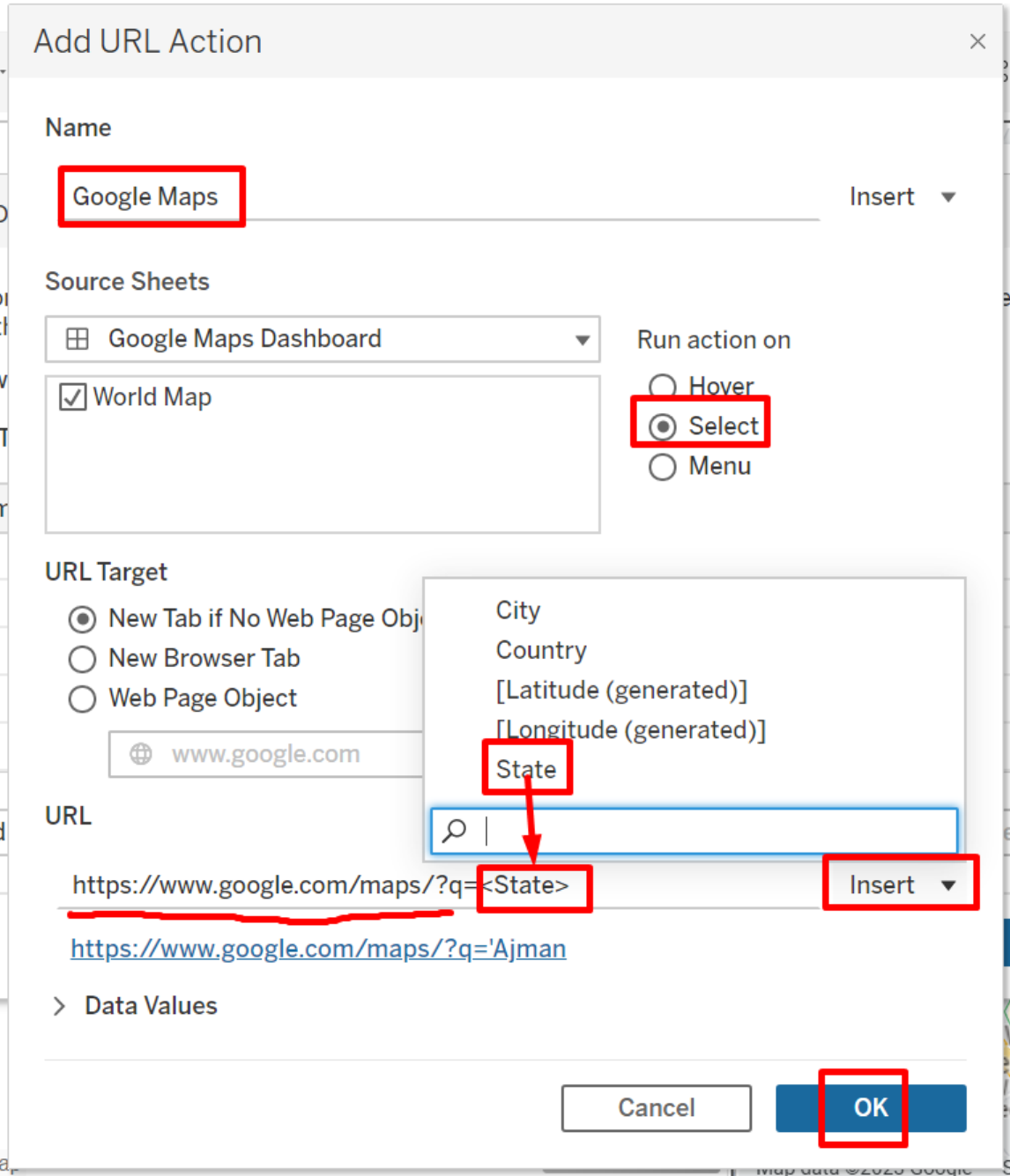
3736 marks 1 row by 1 column

Create a New DASHBOARD...

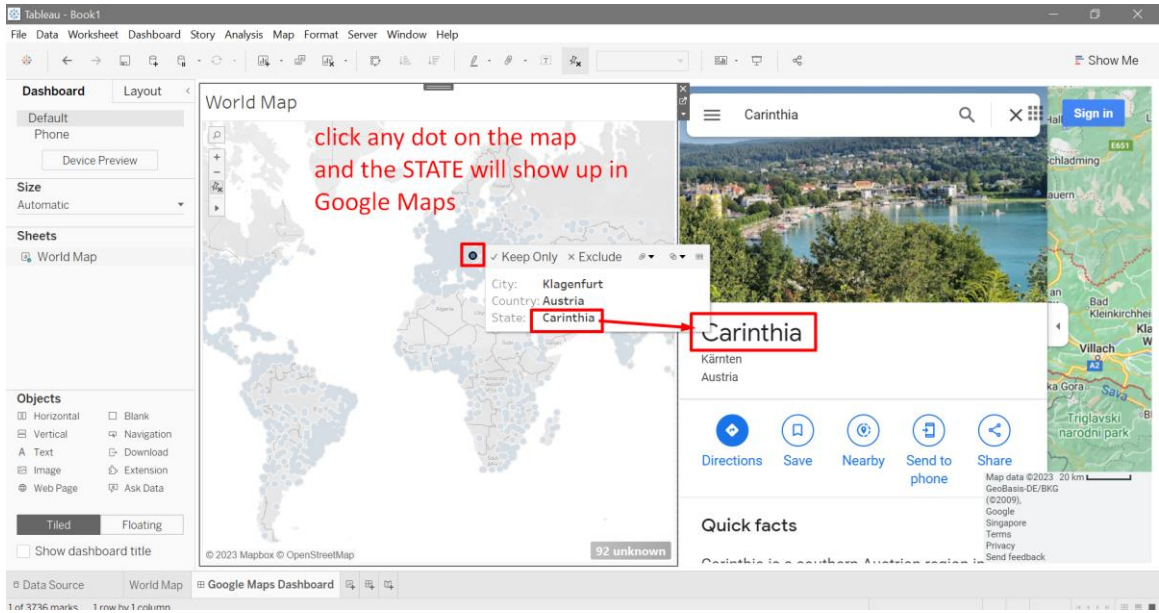
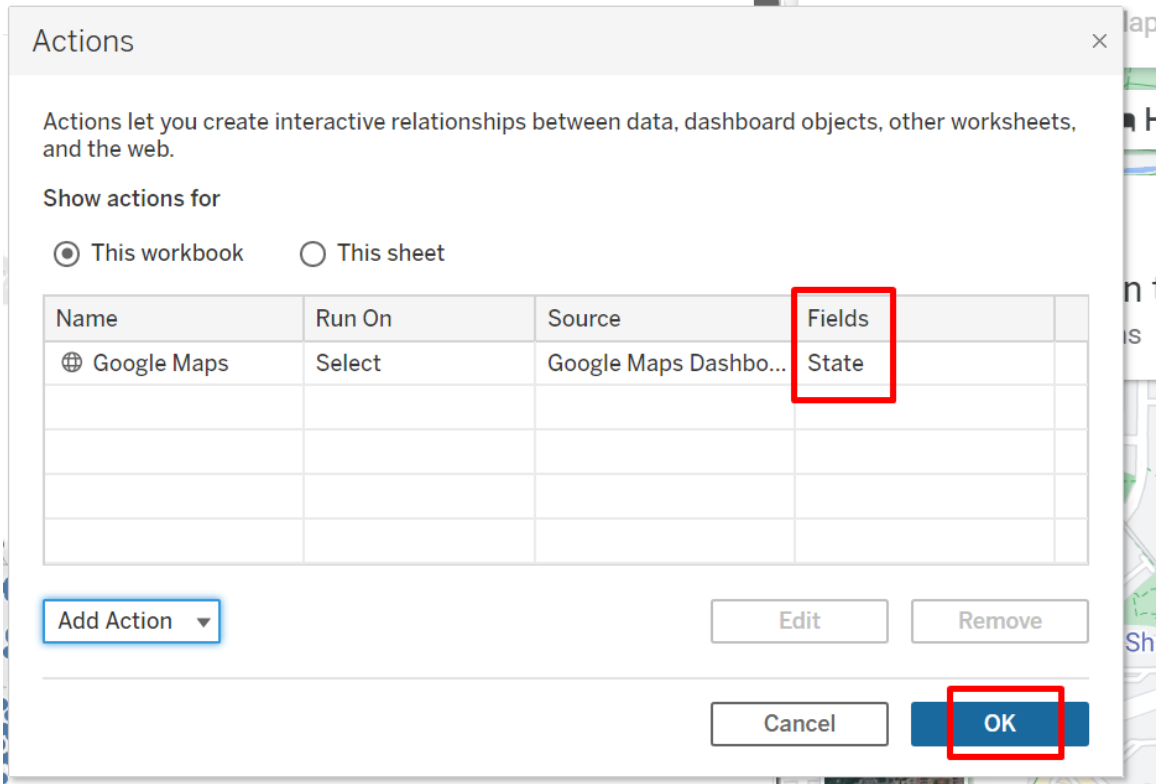


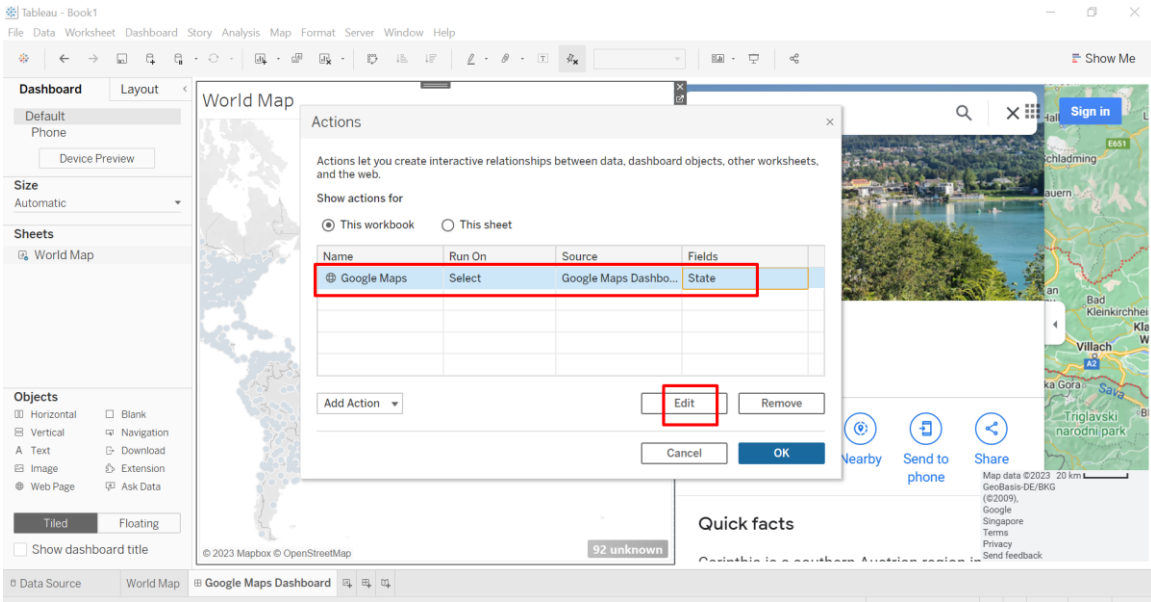
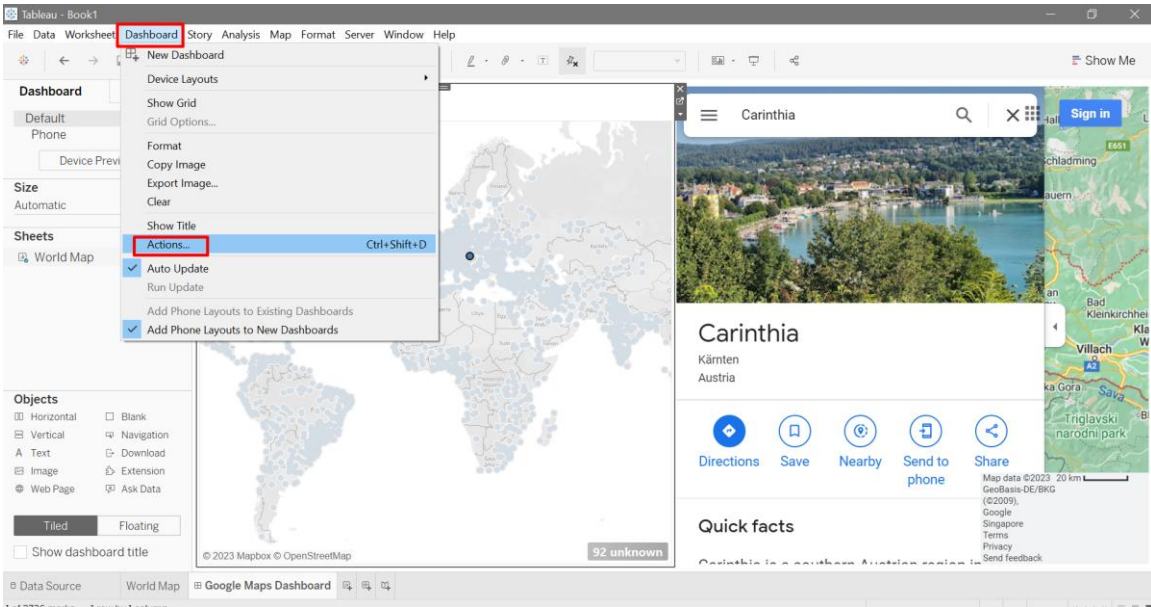


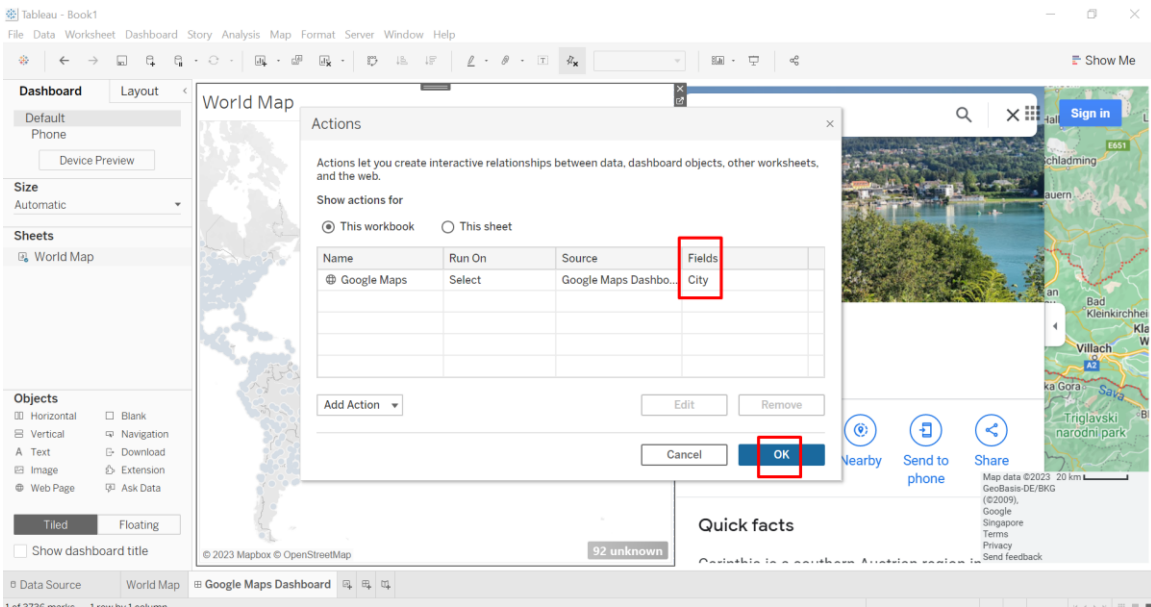
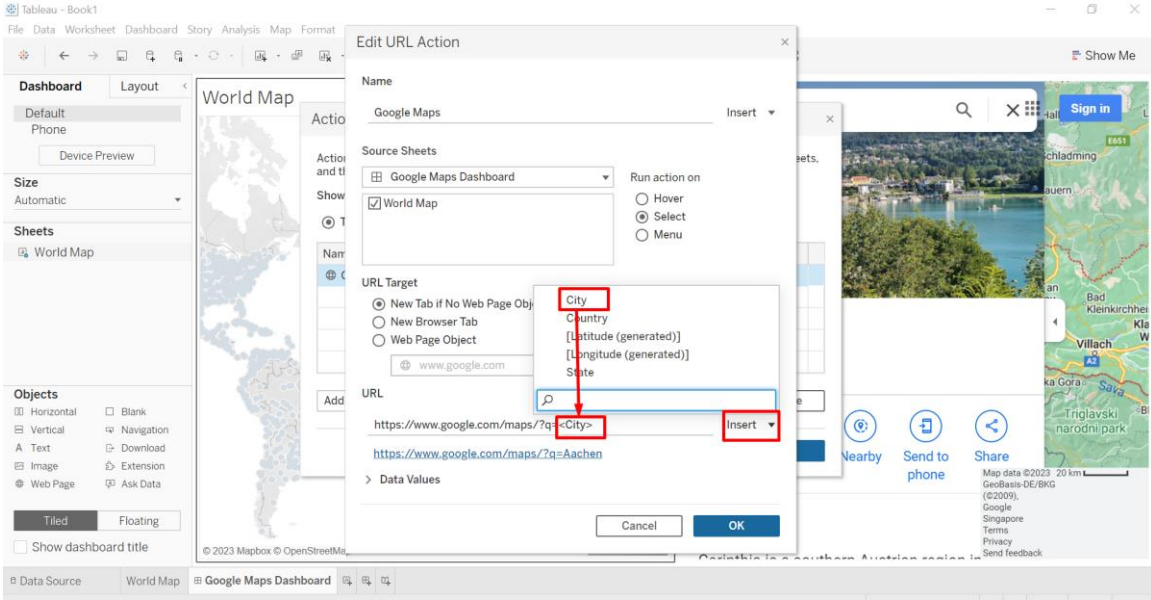


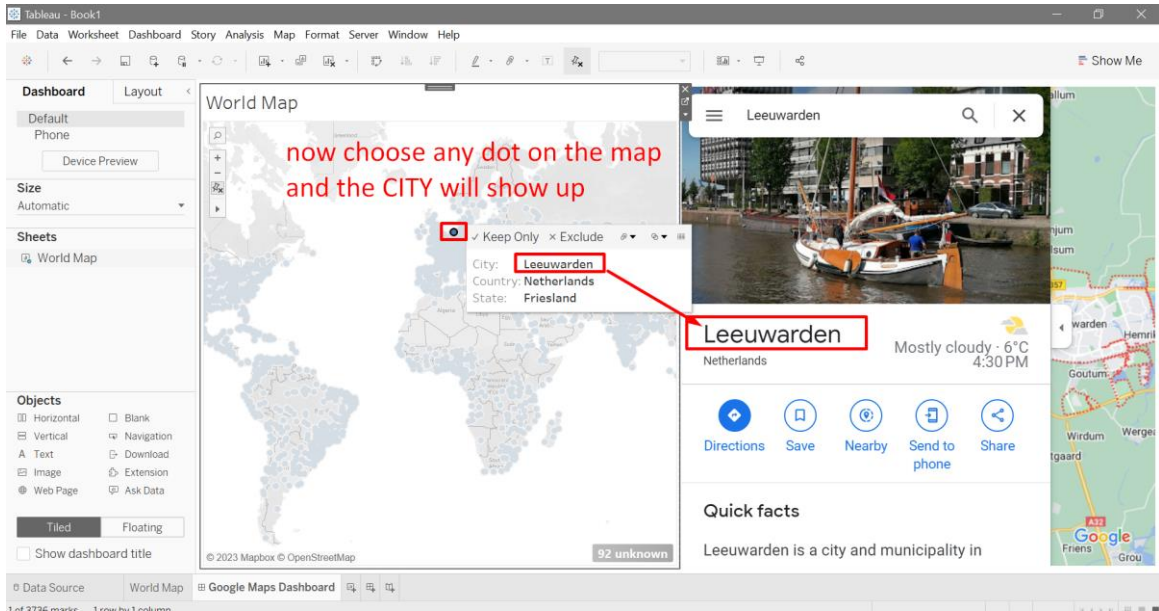


<https://www.google.com/maps/?q=>



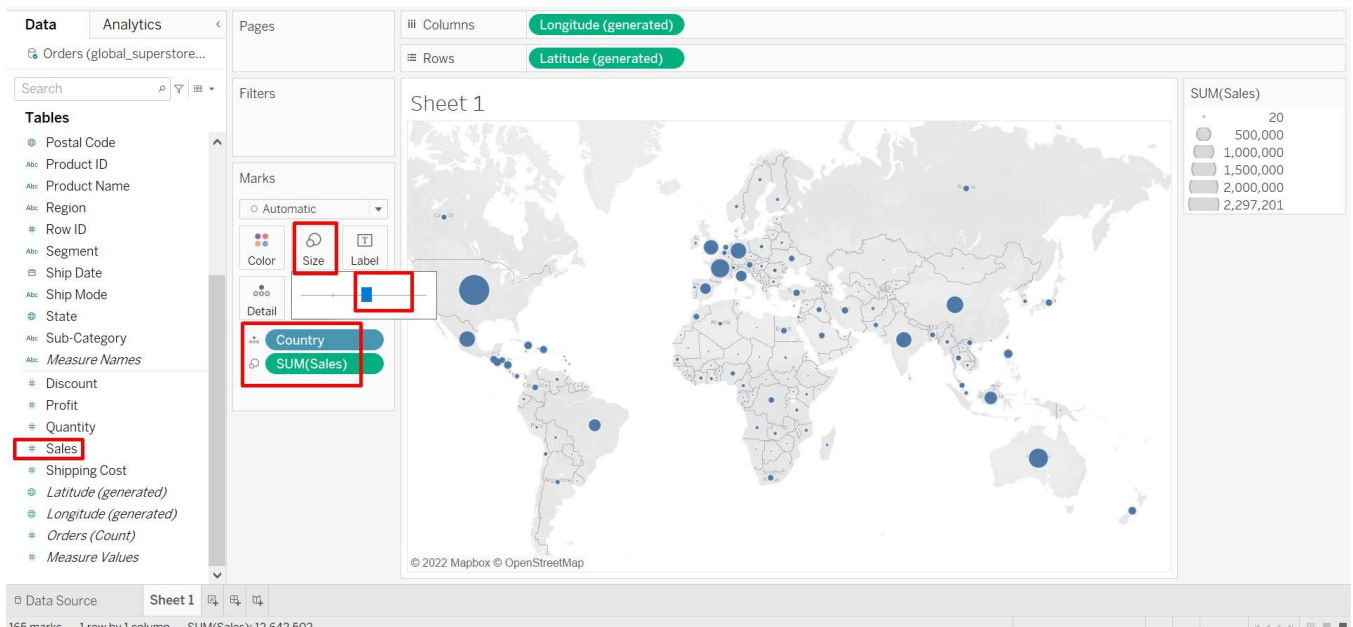
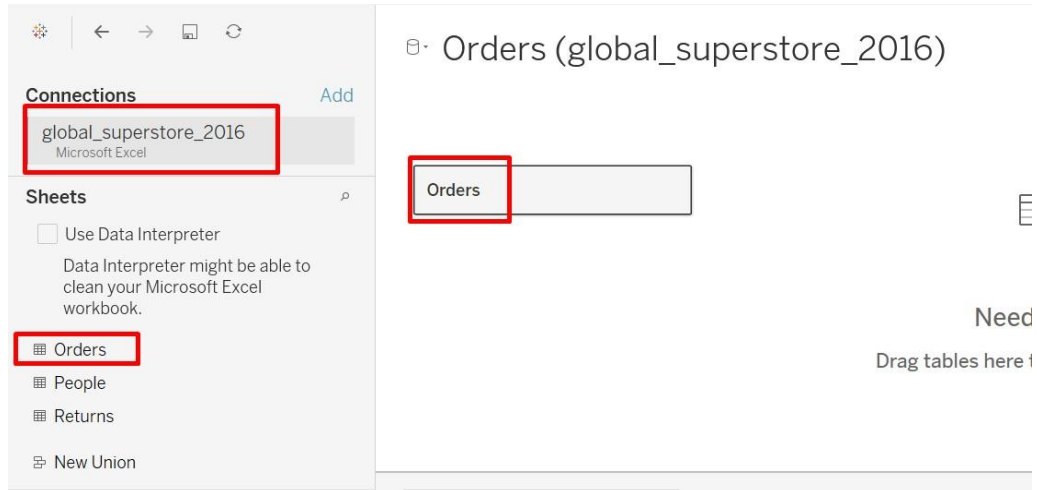






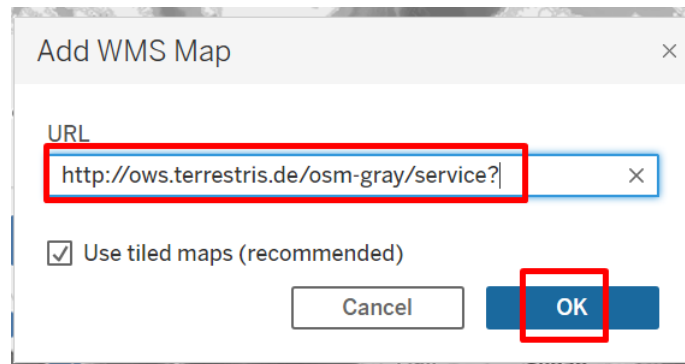
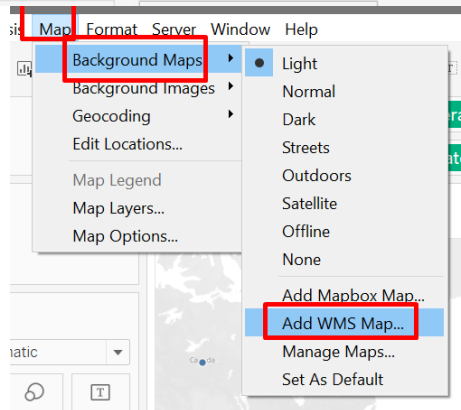
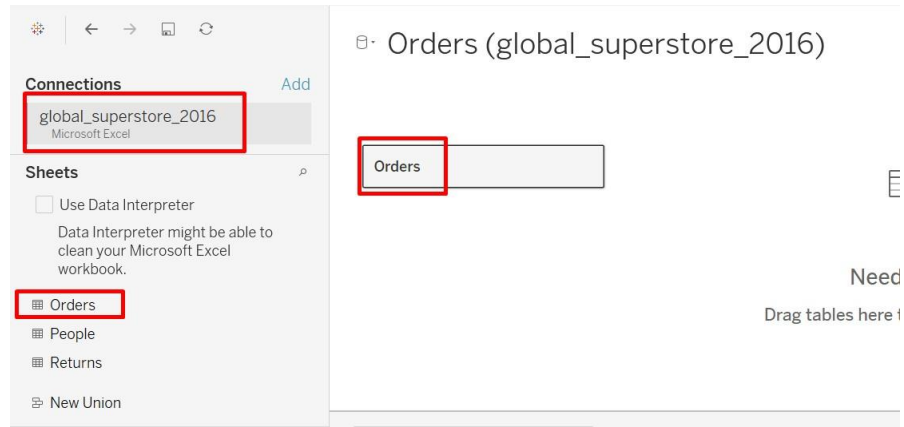
III. SALES MAP

File can be found here: https://www.alvinang.sg/s/global_superstore_2016.xlsx



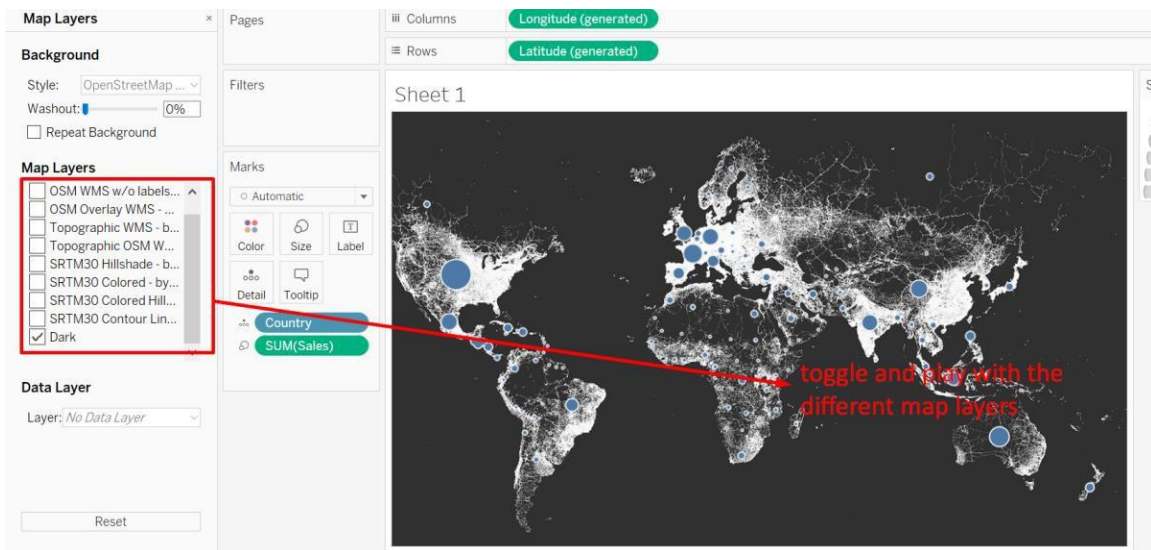
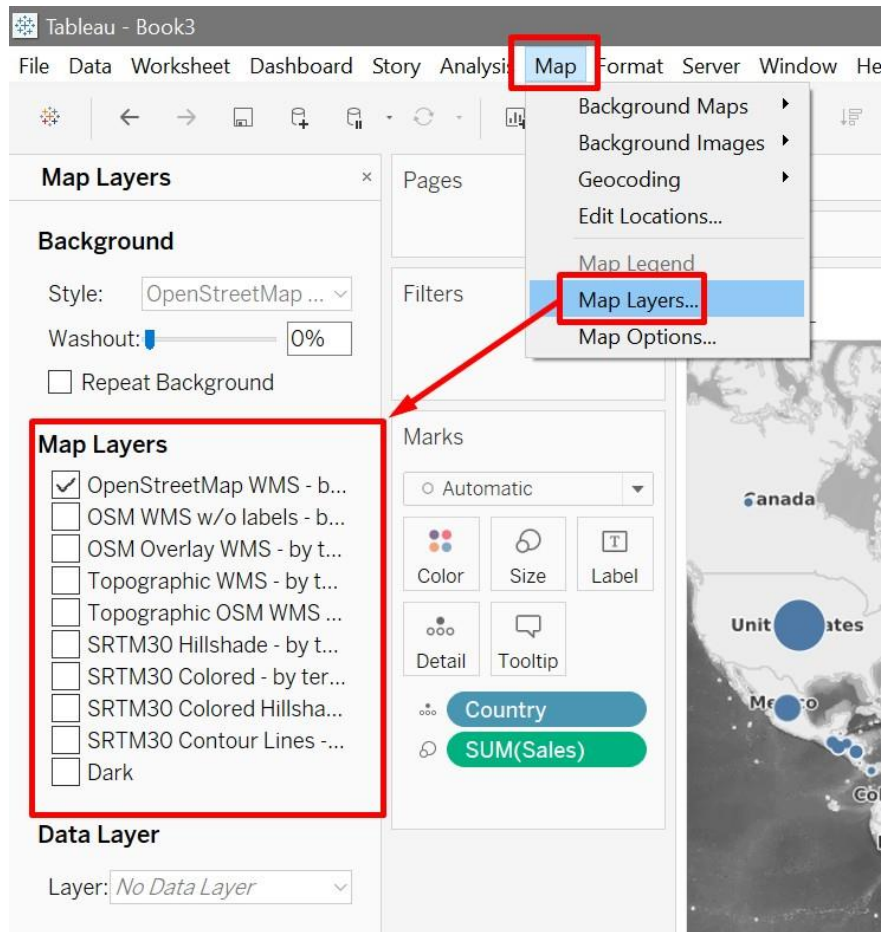
IV. WMS MAP

File can be found here: https://www.alvinang.sg/s/global_superstore_2016.xlsx



<http://ows.terrestris.de/osm-gray/service?>

<https://www.terrestris.de/de/openstreetmap-wms/>

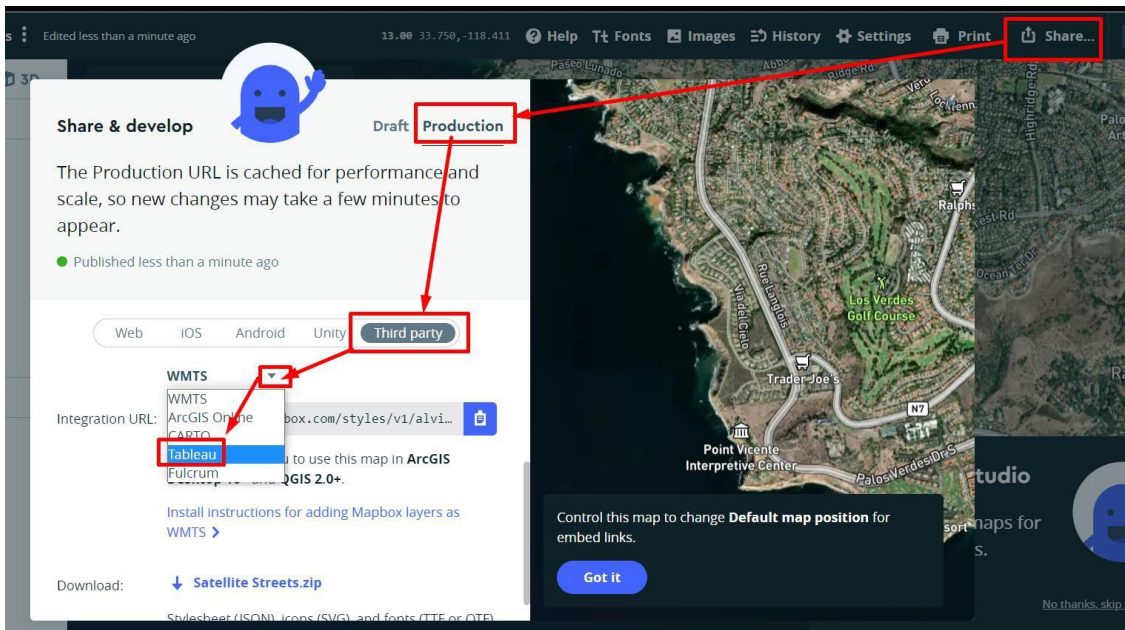
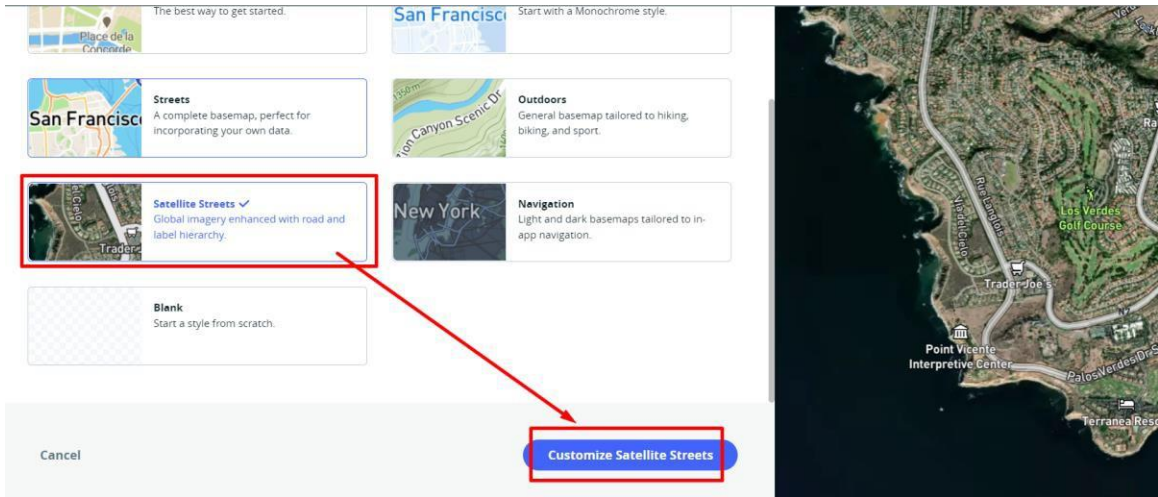



V. MAPBOX

The screenshot shows the Mapbox Account dashboard. At the top left, the Mapbox logo is followed by 'Account'. A red arrow points from the text 'create a new mapbox account... click here on Studio...' to the 'Studio' link in the top navigation bar. Another red arrow points from the same text to the 'Studio' link in the dropdown menu that appears when the account icon is clicked. The dashboard features several cards: 'Design a custom map style' with a 'Create a map in Studio' button, 'See how Mapbox is used across different industries' with a 'See examples' button, and 'Access tokens'. On the right, there is a sidebar with sections for 'Account' (alvinang), 'Plan' (Pay-as-you-go, alvinang, Sign out), 'Current billi' (No usage information to display), and 'Tools & resources' (Integrate Mapbox, Design in Mapbox Studio).

Go <https://www.mapbox.com/> and create an account....

The screenshot shows the Mapbox Studio 'Styles' page. At the top left, the Mapbox logo is followed by 'Studio'. The top navigation bar includes 'Styles', 'Tilesets', 'Datasets', and a user profile icon. The main heading is 'Styles'. Below it, there is an 'Upload style' button and a 'New style' button, which is highlighted with a red box and a red arrow. A search bar is present with a search icon and a search input field. Below the search bar, there is a filter dropdown set to 'All'. The main content area is empty, showing a large document icon and the text 'You haven't created any styles yet.'. On the right side, there is a 'Tools & resources' section with links to 'Read the Studio Manual', 'Preview styles on iOS or Android', 'Find inspiration in the style gallery', and 'Watch how to videos'.




Share & develop  **Draft** Production

The Production URL is cached for performance and scale, so new changes may take a few minutes to appear.

● Published less than a minute ago

Web iOS Android Unity **Third party**

Tableau ▼

Integration URL: `https://api.mapbox.com/styles/v1/alvi...` 

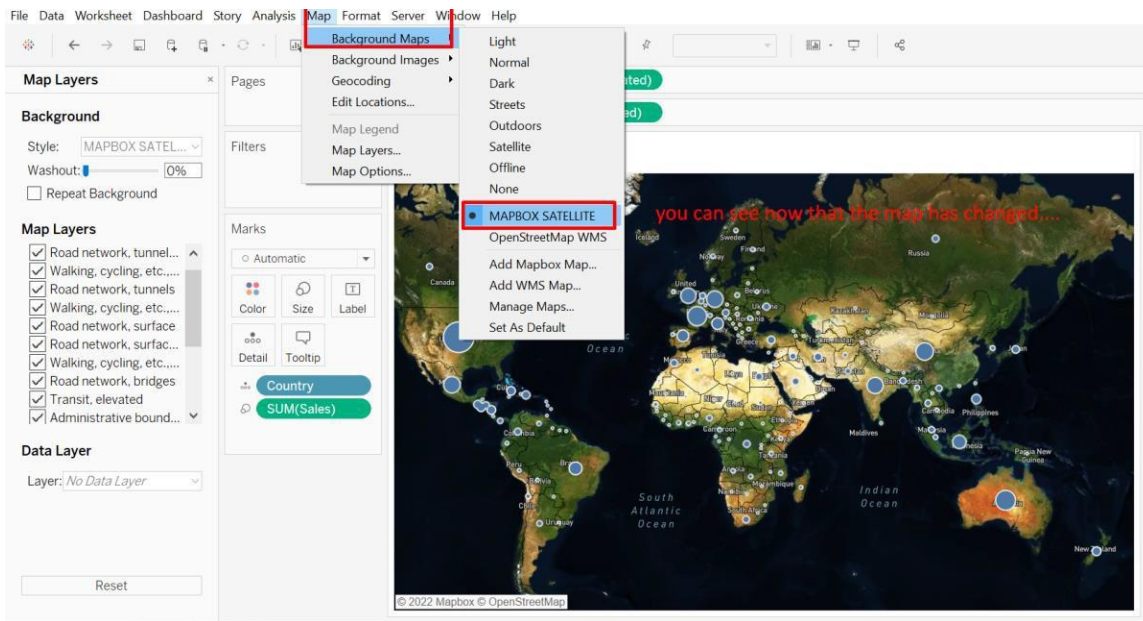
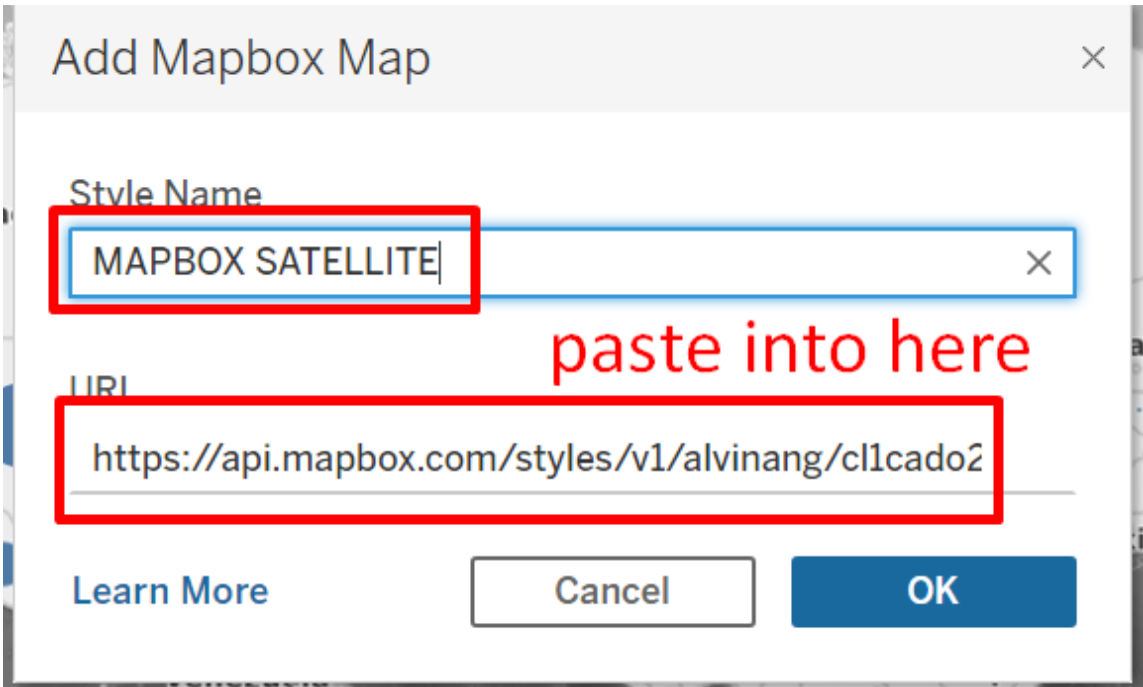
In Tableau, click **Map > Background Maps > Map Services > Add > Mapbox Maps**. Then paste in the share URL above. This feature is available in Tableau 9.3 and above.

Download: [↓ Satellite Streets.zip](#)

Stylesheet (JSON), Icons (SVG), and fonts (TTF or OTF)

Map Format Server Window Help

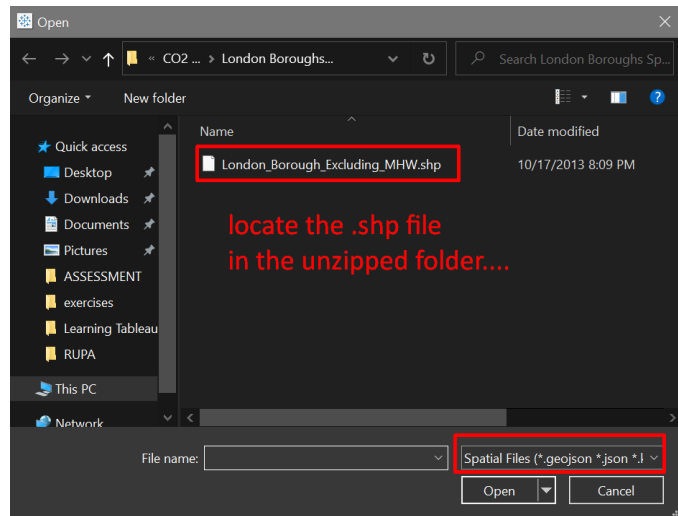
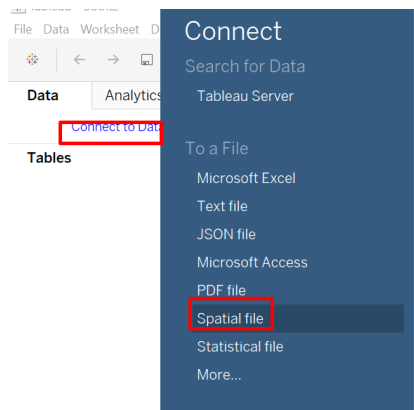
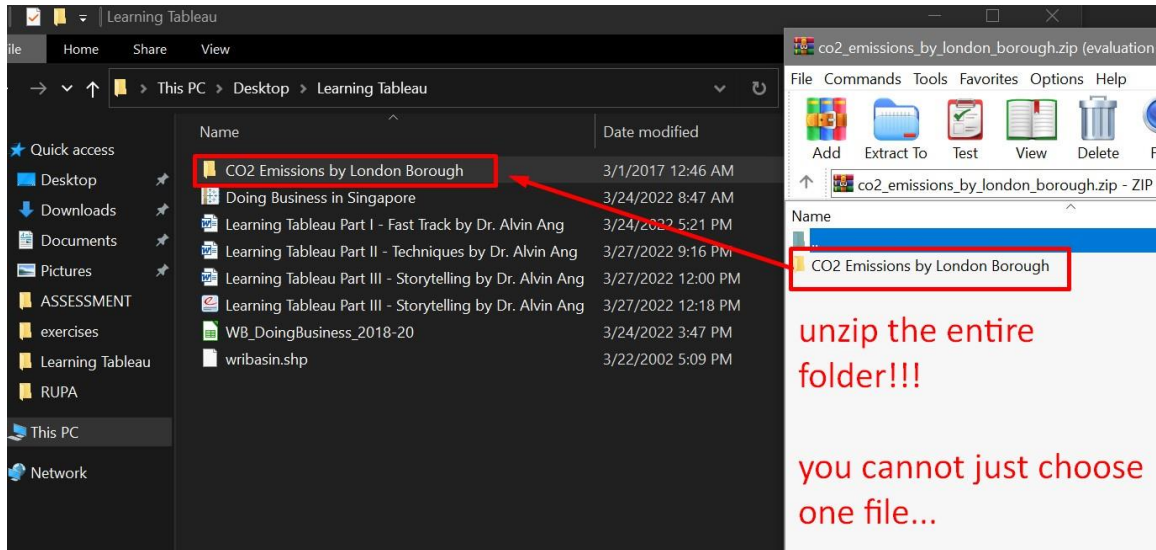
- Background Maps** ▶
 - Light
 - Normal
 - Dark
 - Streets
 - Outdoors
 - Satellite
 - Offline
 - None
 - OpenStreetMap WMS
 - Add Mapbox Map...**
 - Add WMS Map...
 - Manage Maps...
 - Set As Default
- Background Images ▶
- Geocoding ▶
- Edit Locations...
- Map Legend
- Map Layers...
- Map Options...

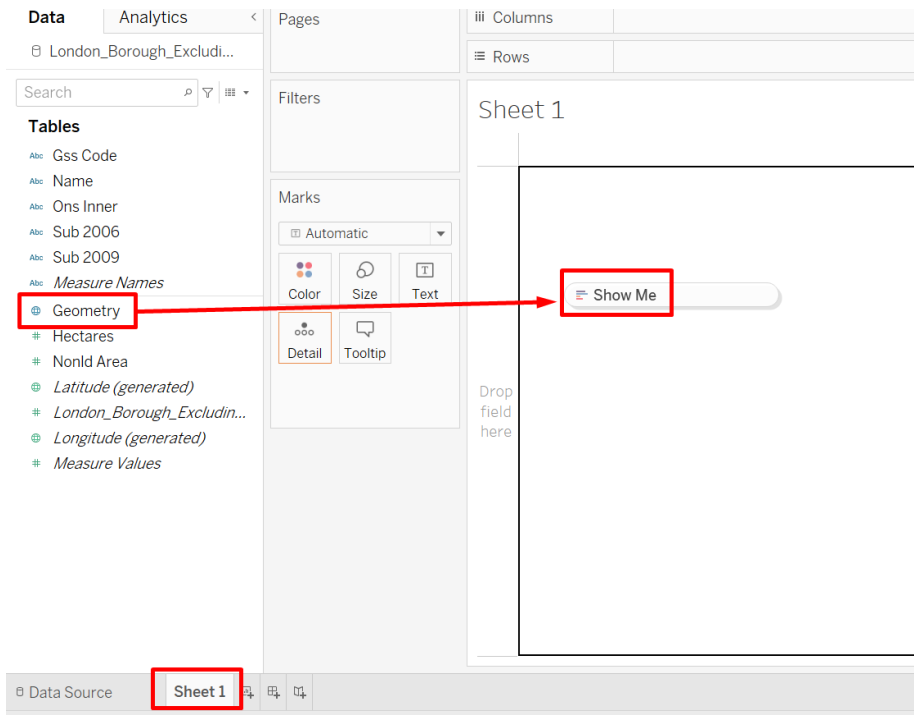
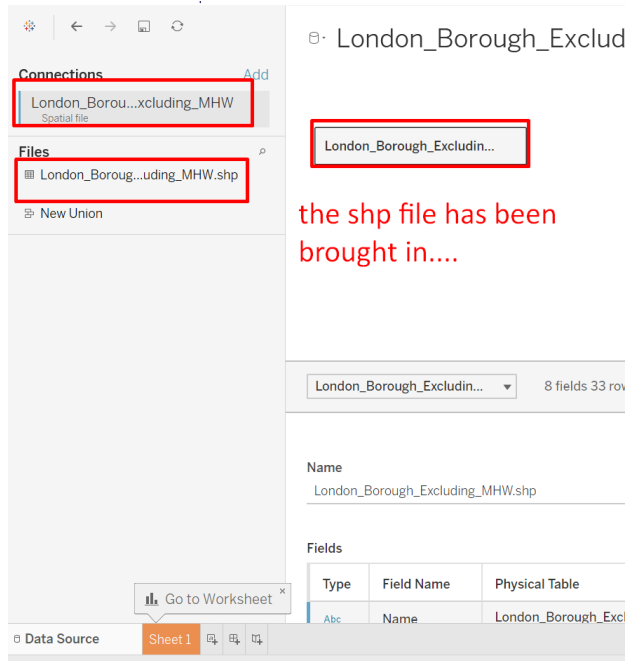


VI. SHP FILE

File can be found here:

https://public.tableau.com/s/sites/default/files/media/co2_emissions_by_london_borough.zip





Data Analytics < Pages

London_Borough_Excludi...

Search

Tables

- Abc Gss Code
- Abc Name**
- Abc Ons Inner
- Abc Sub 2006
- Abc Sub 2009
- Abc Measure Names
- Geometry
- Hectares
- Nonld Area
- Latitude (generated)
- London_Borough_Excludi...
- Longitude (generated)
- Measure Values

Filters

Marks

Automatic

Color Size Label

Detail Tooltip

COLLECT(Geo...)

Name

Columns: Longitude (generated)

Rows: Latitude (generated)

Sheet 1

when you mouseover, the name pops up...

drag name into the map...

Name: Harrow

© 2022 Mapbox © OpenStreetMap

Data Source Sheet 1

Data Analytics < Pages

London_Borough_Excludi...

Search

Tables

- Abc Gss Code**
- Abc Name
- Abc Ons Inner
- Abc Sub 2006
- Abc Sub 2009
- Abc Measure Names
- Geometry
- Hectares
- Nonld Area
- Latitude (generated)
- London_Borough_Excludi...
- Longitude (generated)
- Measure Values

Filters

Marks

Automatic

Color Size Label

Detail Tooltip

COLLECT(Geo...)

Name

Gss Code

Columns: Longitude (generated)

Rows: Latitude (generated)

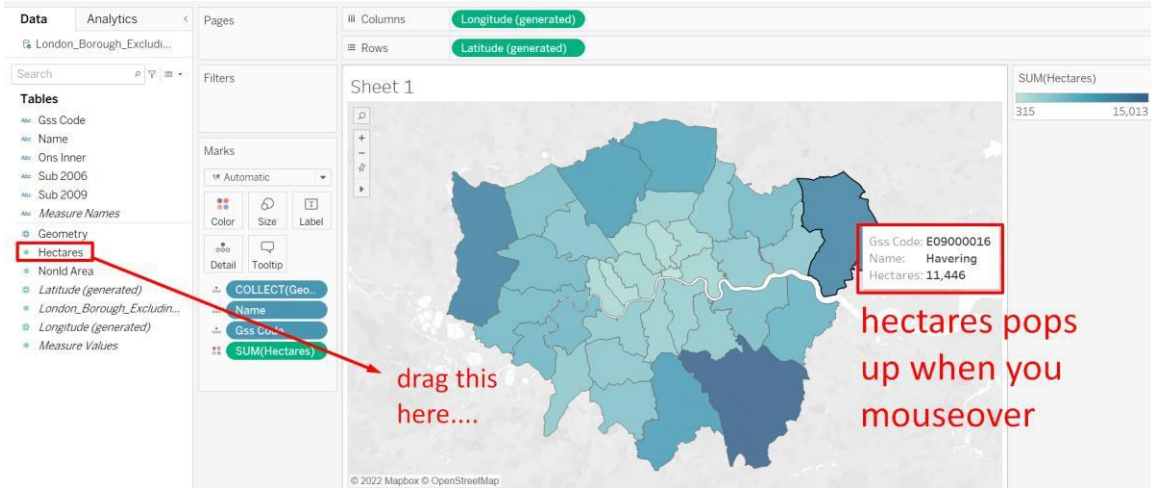
Sheet 1

drag this here...

now the Gss code appears when you mouseover...

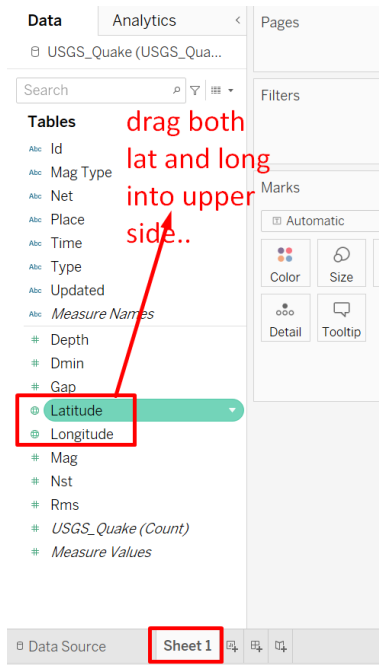
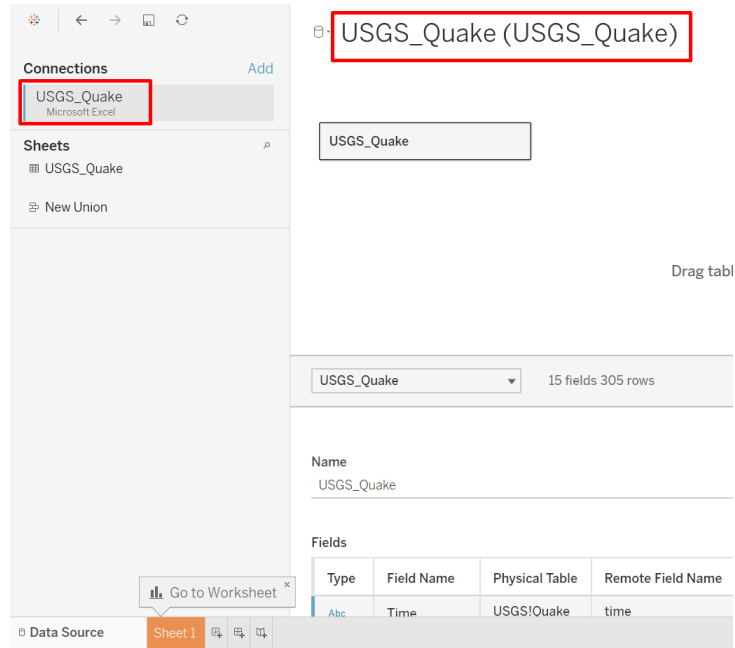
Gss Code: E09000003
Name: Barnet

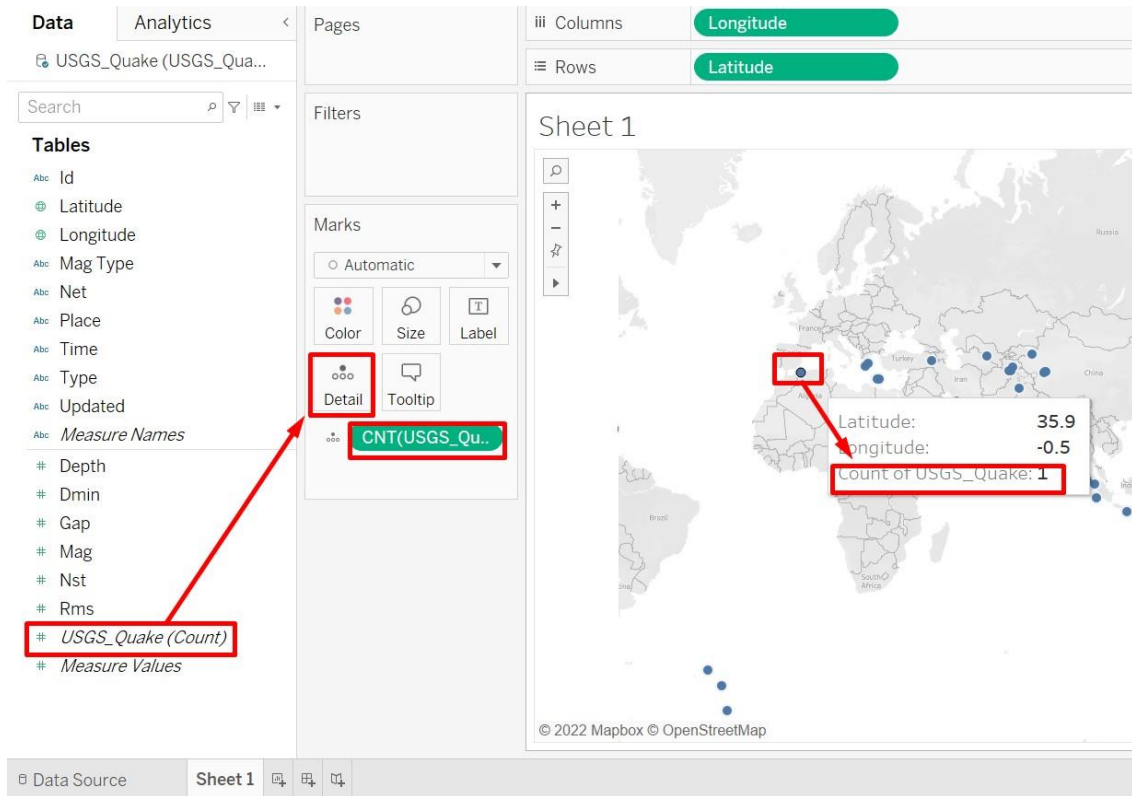
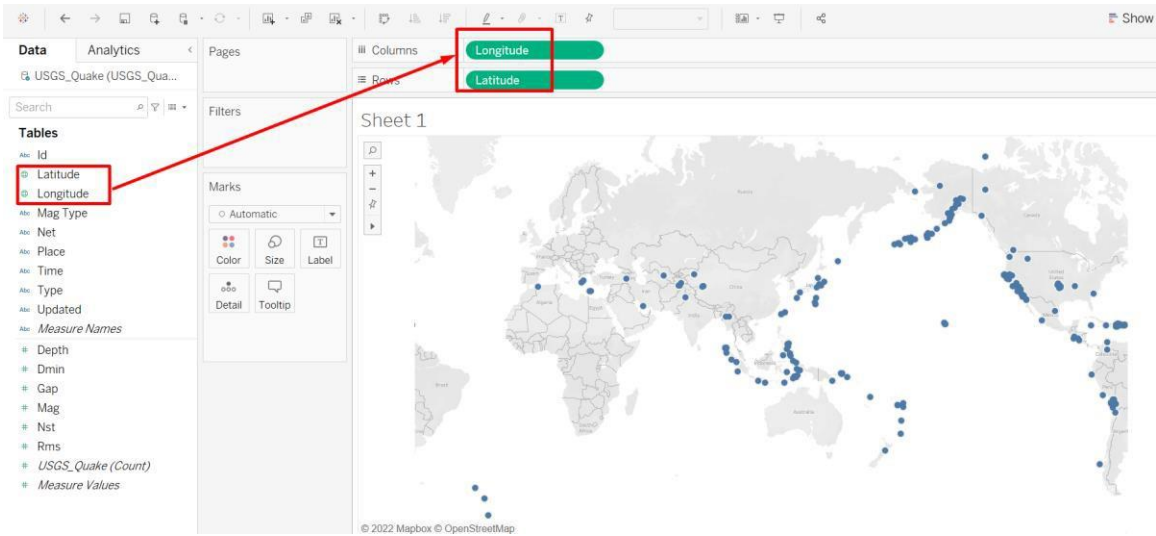
© 2022 Mapbox © OpenStreetMap



VII. USGS QUAKE

File can be found here: https://www.alvinang.sg/s/USGS_Quake.xlsx





Data | Analytics < | Pages

USGS_Quake (USGS_Qua...)

Search

Tables

- Id
- Latitude
- Longitude
- Mag Type
- Net
- Place
- Time
- Type
- Updated
- Measure Names
- Depth
- Dmin
- Gap
- Mag
- Nst
- Rms
- USGS_Quake (Count)
- Measure Values

Filters

Marks

- Automatic
- Color
- Size
- Label
- Detail
- Tooltip
- Place
- CNT(USGS_Qua...)

Columns | Longitude

Rows | Latitude

Sheet 1

© 2022 Mapbox © OpenStreetMap

Data Source | Sheet 1

Sheet 1

United States (Contiguous)

23km NNE of Philipsburg, Montana

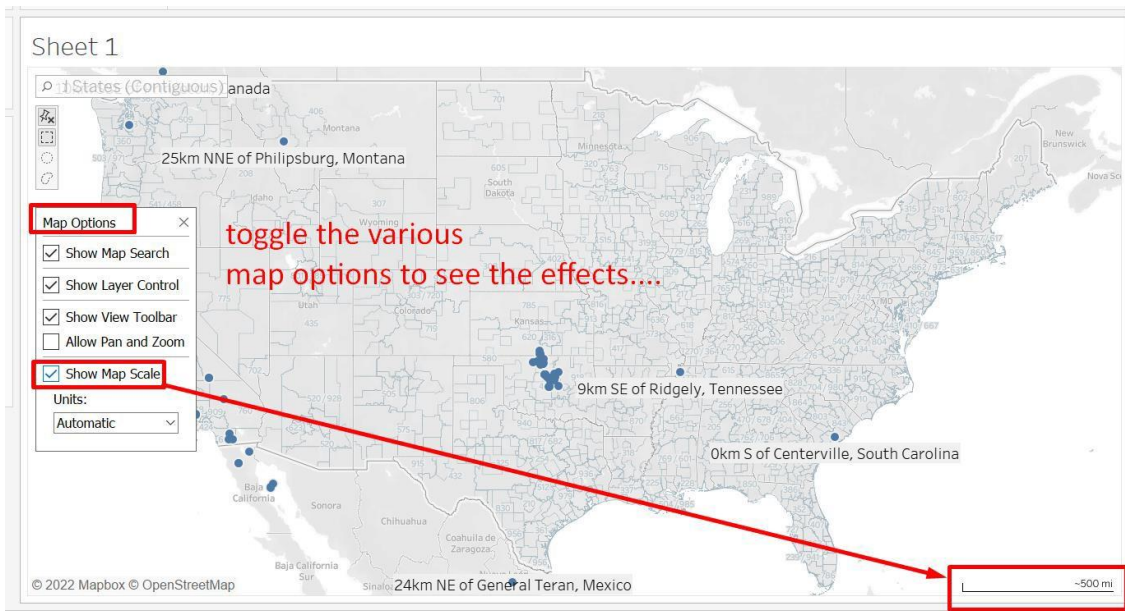
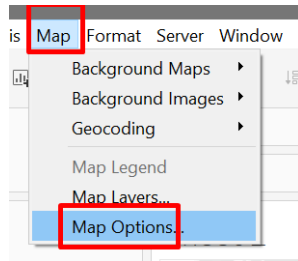
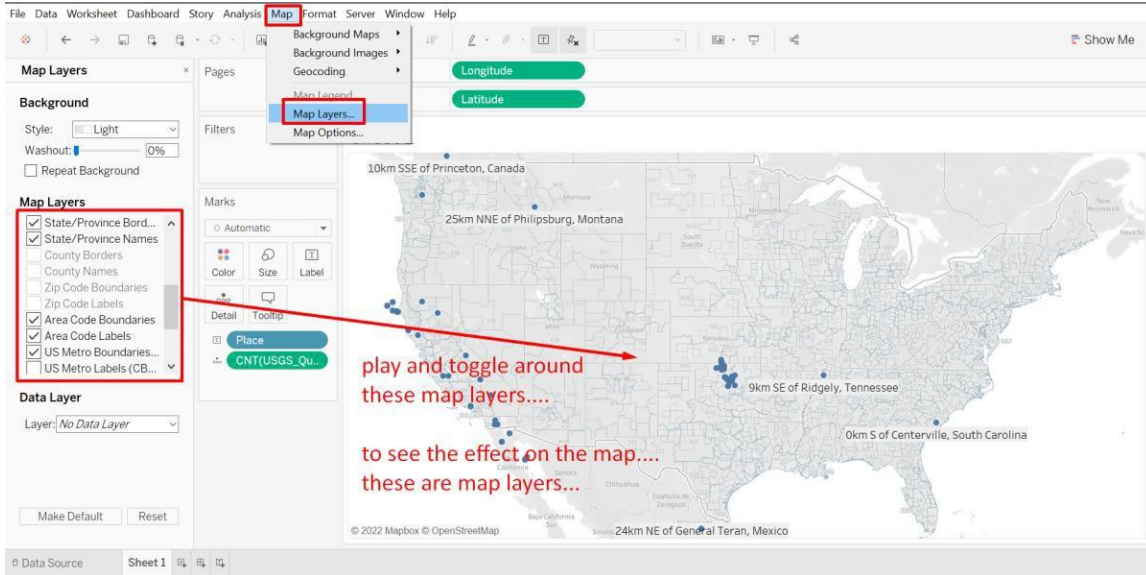
type in United States and click on Contiguous... this map auto displays...

9km SE of Ridgely, Tennessee

0km S of Centerville, South Carolina

24km NE of General Teran, Mexico

© 2022 Mapbox © OpenStreetMap



VIII. DATA.GOV.SG

<https://data.gov.sg/dataset/singapore-residents-by-planning-area-age-group-and-sex-june-2016-female>

The screenshot displays the Data.gov.sg interface for the dataset "Singapore Residents by Planning Area, Age Group and Sex, June 2016 (Female)". The page features a "Download" button in the top right corner. Below the dataset title, a list of files is shown, including "Singapore Residents by Planning Area, Age Group and Sex, June 2016 (Female) (KML)" and "Singapore Residents by Planning Area, Age Group and Sex, June 2016 (Female) (SHP)". A map of Singapore is visible in the background. A red box highlights the "Download" button, and a red arrow points from it to a file named "singapore-resident...zip" in the Windows taskbar. Red text annotations state "there are 2 type of spatial file: KML and SHP" and "download the ZIP file".

A. KML

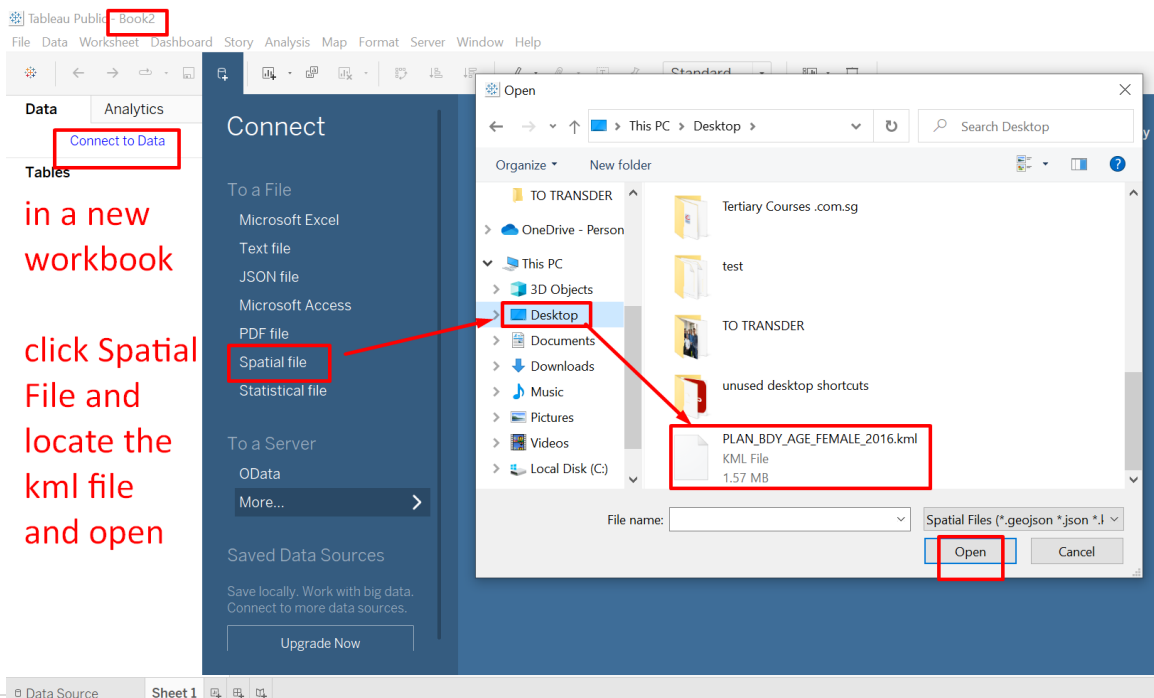
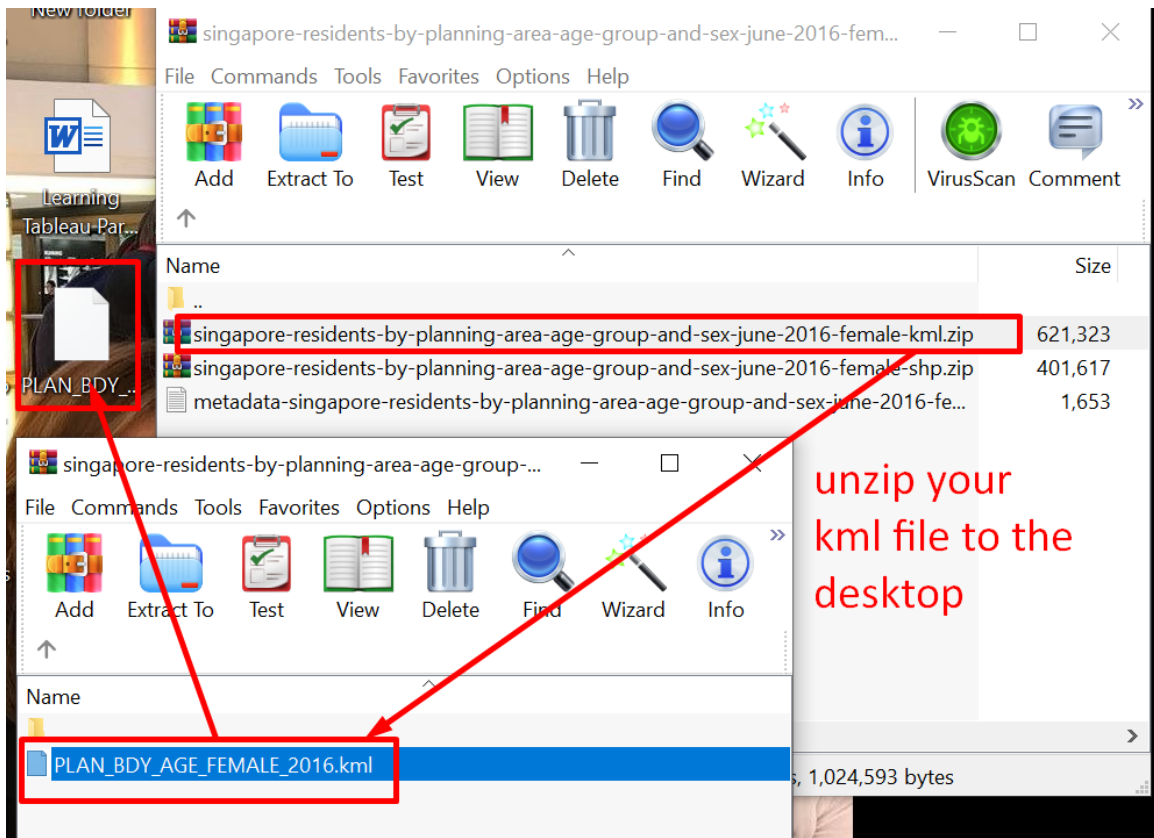


Tableau Public - Book2
File Data Window Help

PLAN_BDY_AGE_FEMALE_2016

Connections
PLAN_BDY_AGE_FEMALE_2016
Spatial file

Tables
PLAN_BDY_AGE_FEMALE_2016
New Union

PLAN_BDY_AGE_FEMALE...

Need more data?

PLAN_BDY_AGE_FEMALE... 3 fields 55 rows

Name	Description	Geometry
NOVENA	<html xmlns:fo="http://www...	MultiPolygon
PASIR RIS	<html xmlns:fo="http://www...	MultiPolygon
HOUGANG	<html xmlns:fo="http://www...	MultiPolygon
JURONG EAST	<html xmlns:fo="http://www...	MultiPolygon
LIM CHU KANG	<html xmlns:fo="http://www...	MultiPolygon
MANDAI	<html xmlns:fo="http://www...	MultiPolygon
MARINE PARADE	<html xmlns:fo="http://www...	MultiPolygon
NORTH-EASTERN ISLANDS	<html xmlns:fo="http://www...	MultiPolygon
PIONEER	<html xmlns:fo="http://www...	MultiPolygon

notice that the KML file is pretty useless because it only gives the Geometry shapes...and no other information!

Go to Worksheet

Data Source Sheet1

Tableau Public - Book2
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

PLAN_BDY_AGE_FEMALE...

Columns Longitude (generated)
Rows Latitude (generated)

Sheet 1

just drag the Geometry into the chart to show the map

since KML files are known to be useless coz they don't carry information.....

for now, just use it to show the various towns....

Name

- ANG MO KIO
- BEDOK
- BISHAN
- BOON LAY
- BUKIT BATOK
- BUKIT MERAH
- BUKIT PANJANG
- BUKIT TIMAH
- CENTRAL WATER C.
- CHANGI
- CHANGI BAY
- CHOA CHU KANG
- CLEMENTI
- DOWNTOWN CORE
- GEYLANG
- HOUGANG
- JURONG EAST
- JURONG WEST
- KALLANG
- LIM CHU KANG
- MANDAI
- MARINA EAST
- MARINA SOUTH
- MARINE PARADE
- MUSEUM
- NEWTON
- NORTH-EASTERN I.

Data Source Sheet1

B. SHP

<https://data.gov.sg/dataset/singapore-residents-by-planning-area-age-group-and-sex-june-2016-female>

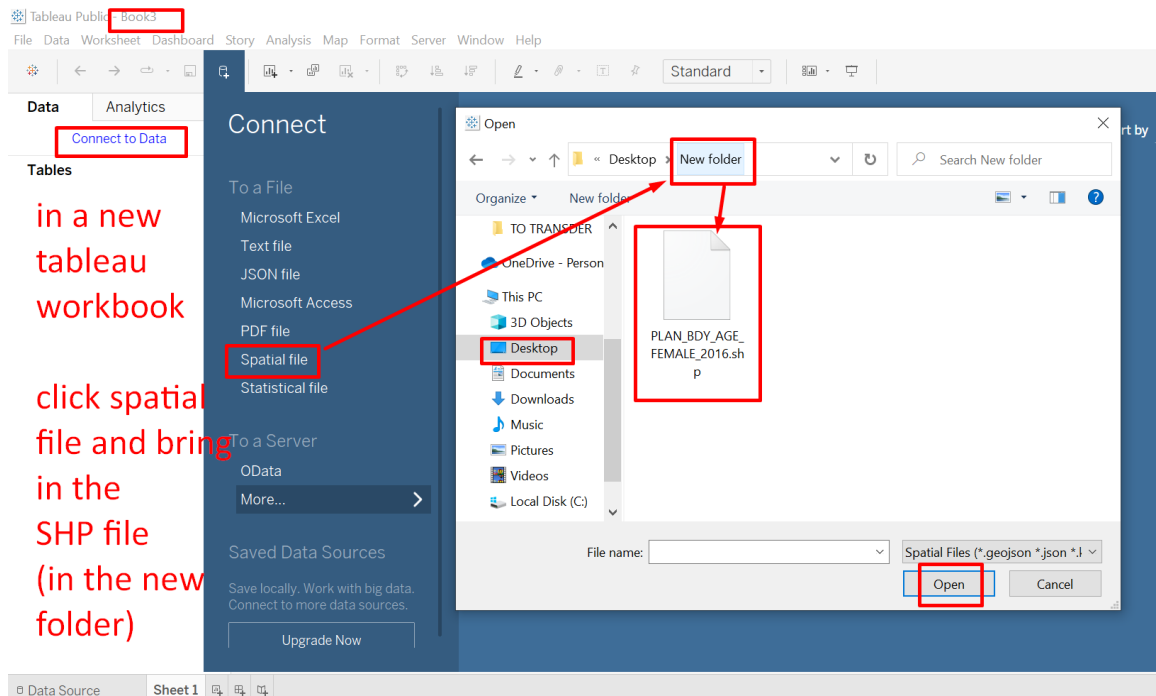
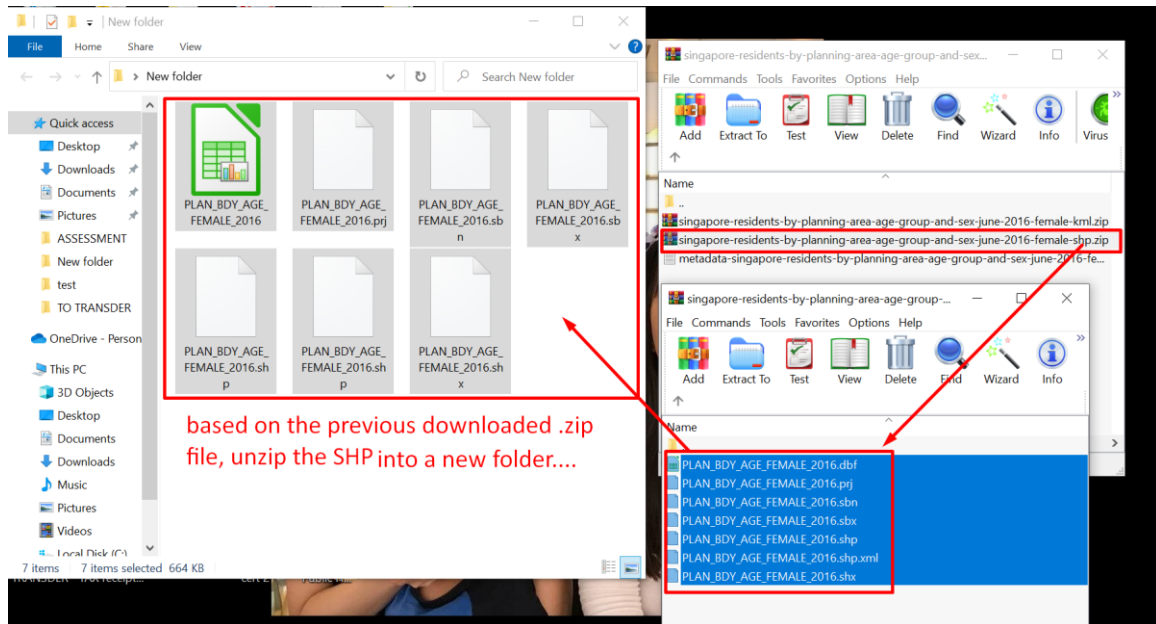


Tableau Public - Book3

File Data Window Help

PLAN_BDY_AGE_FEMALE_2016

Filters 0 | Add

Connections

PLAN_BDY_AGE_FEMALE_2016 Spatial file

Files

PLAN_BDY_AGE...MALE_2016.shp

New Union

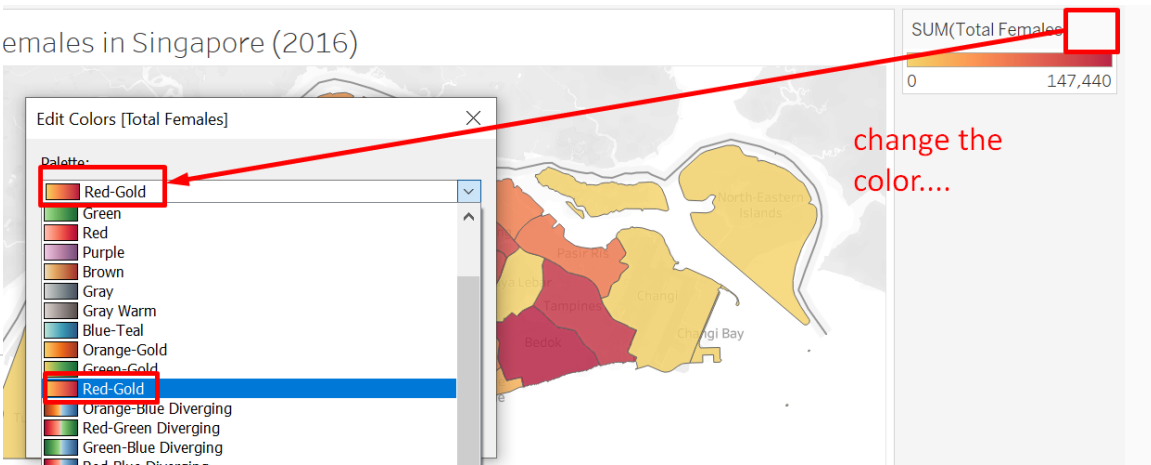
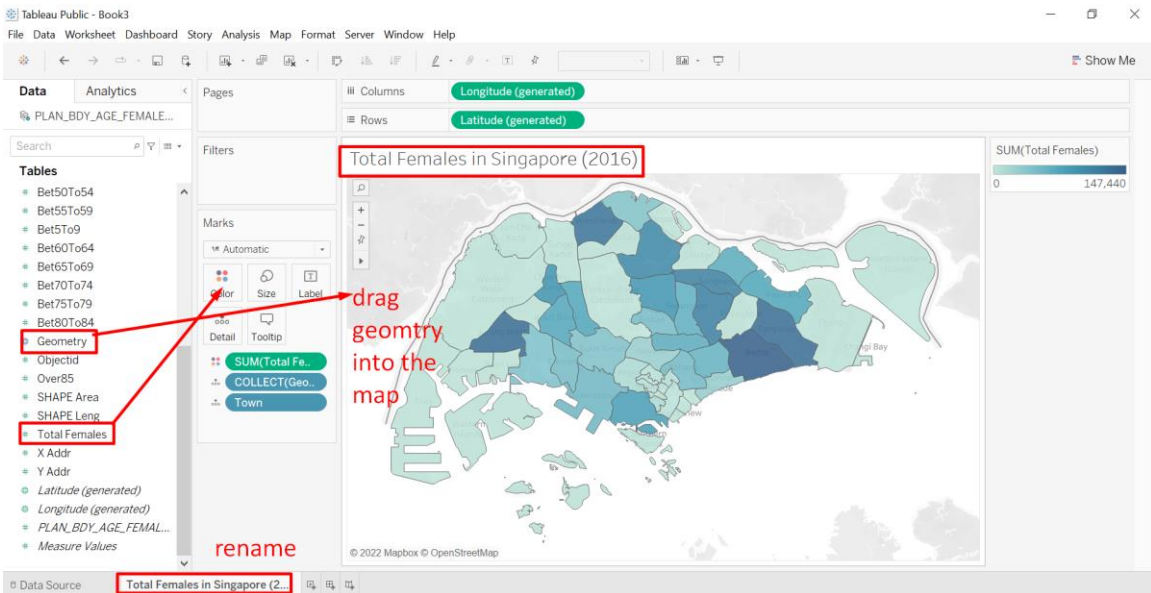
PLAN_BDY_AGE_FEMALE... 28 fields 55 rows 55 rows

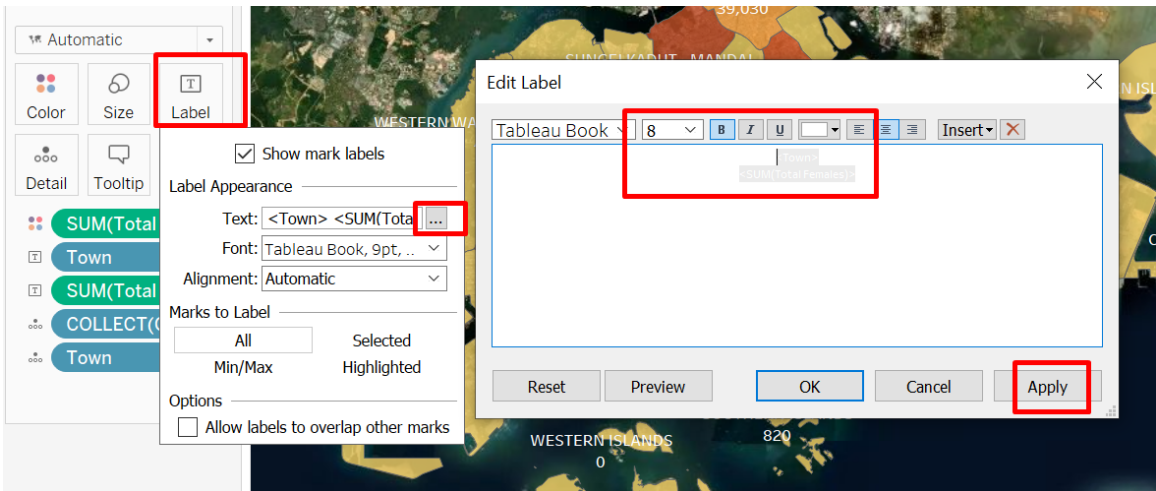
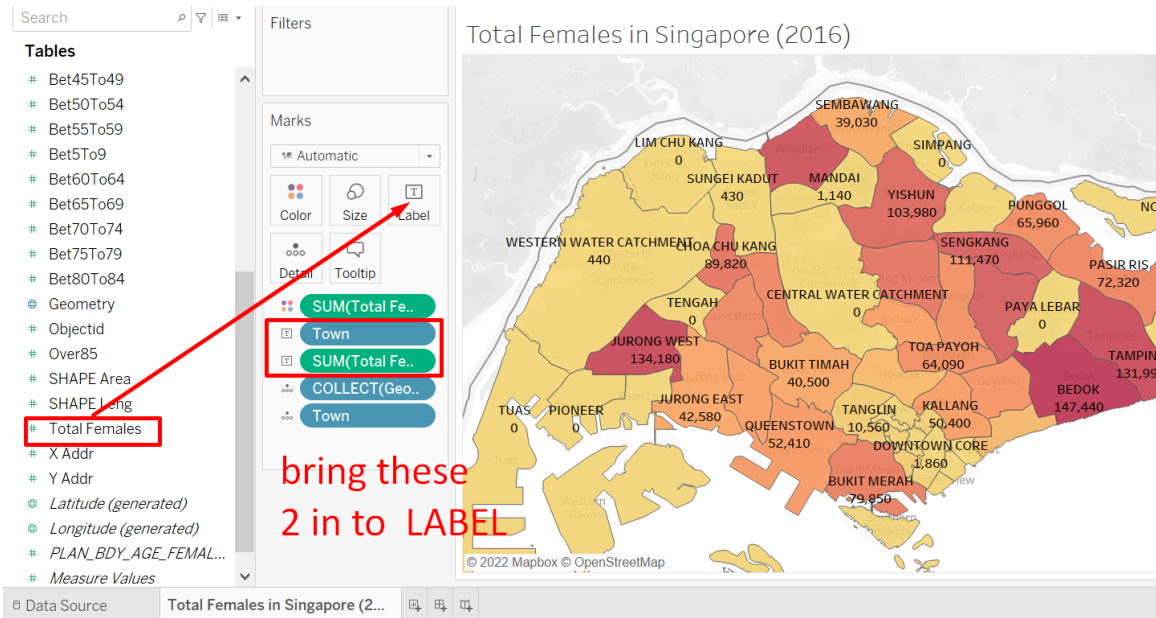
Table Details

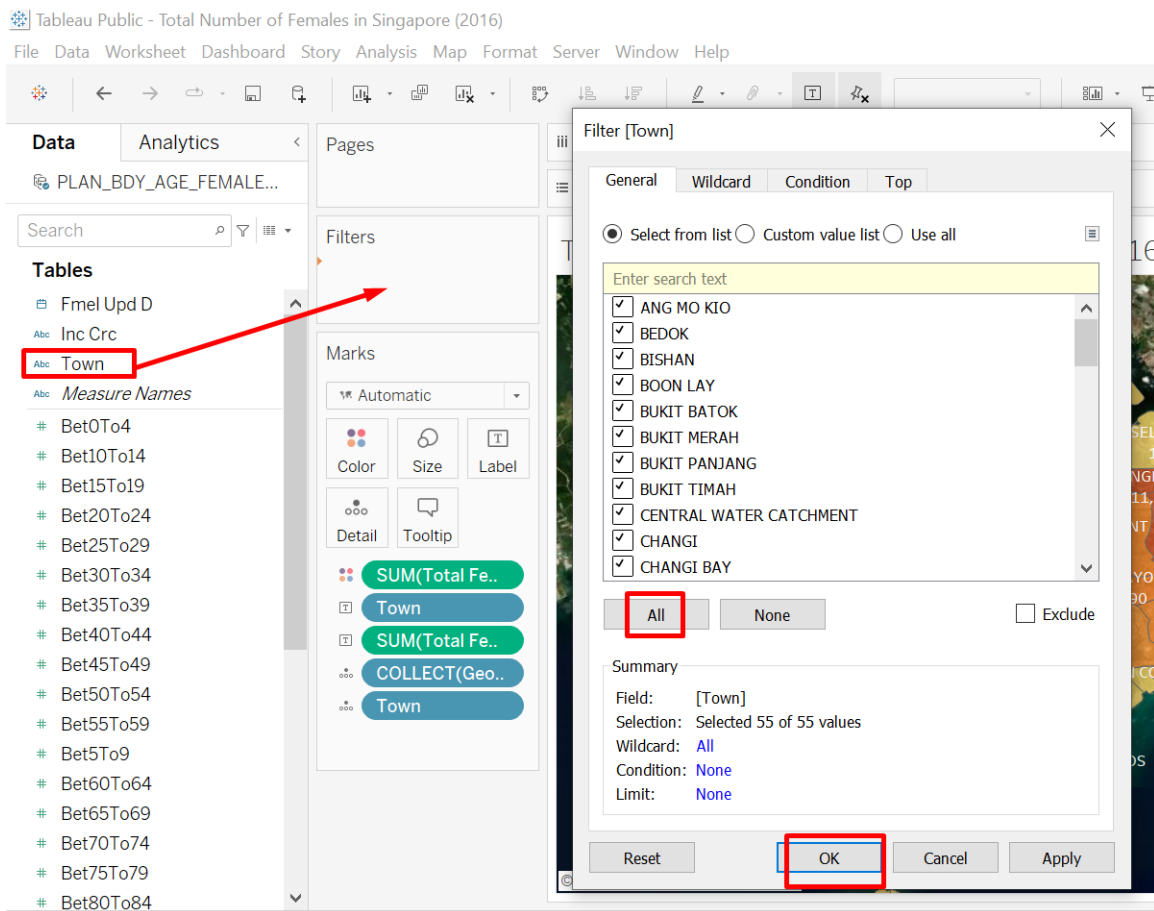
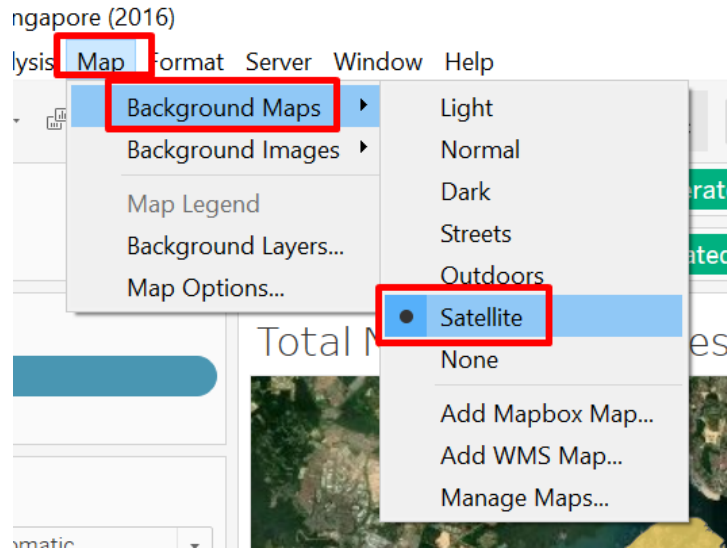
PLAN_BDY_AGE_FEMALE_2016.shp	PLAN_BDY_AGE_FEMALE_2016.shp	PLAN_BDY_AGE_FEMALE_2016.shp	PLAN_BDY_AGE_FEMALE_2016.shp	PLAN_BDY_AGE_FEMALE_2016.shp
Town	Total Females	Bet0To4	Bet5To9	Bet10To14
NOVENA	24,600.00	1,070.00	1,240.00	1,140.00
PASIR RIS	72,320.00	2,820.00	3,400.00	4,130.00
HOU GANG	113,340.00	4,200.00	4,830.00	5,440.00
JURONG EAST	42,580.00	1,620.00	1,890.00	2,030.00
LIM CHU KANG	0.00	0.00	0.00	0.00
MANDAI	1,140.00	40.00	70.00	70.00
MARINE PARADE	25,590.00	1,050.00	1,320.00	1,360.00
NORTH-EASTERN ISLANDS	0.00	0.00	0.00	0.00
PIONEER	0.00	0.00	0.00	0.00

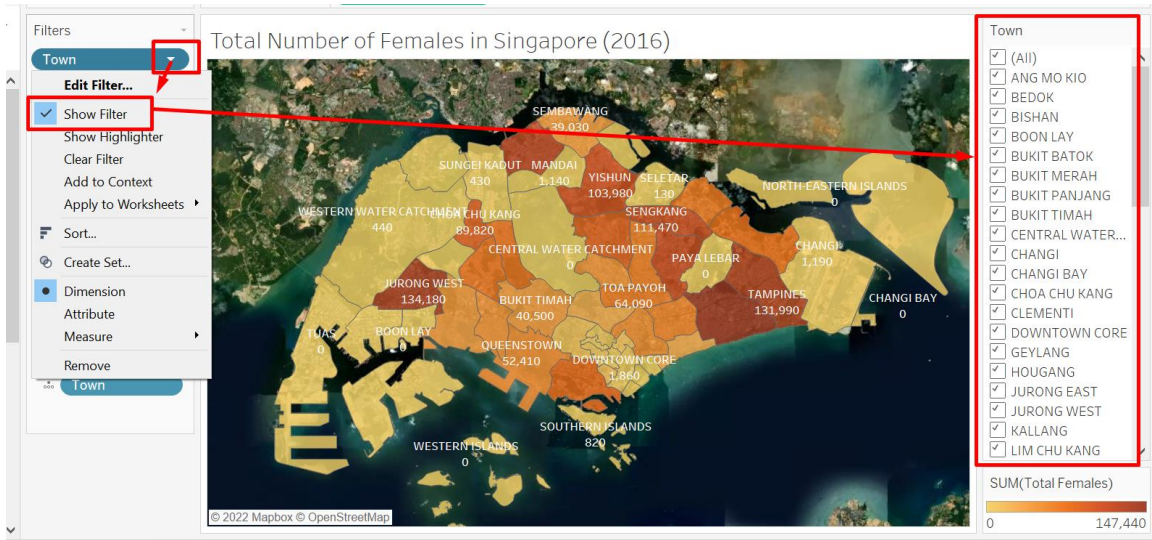
look at the SHP file! it contains much more info than the useless KML file!

rename these 2 columns







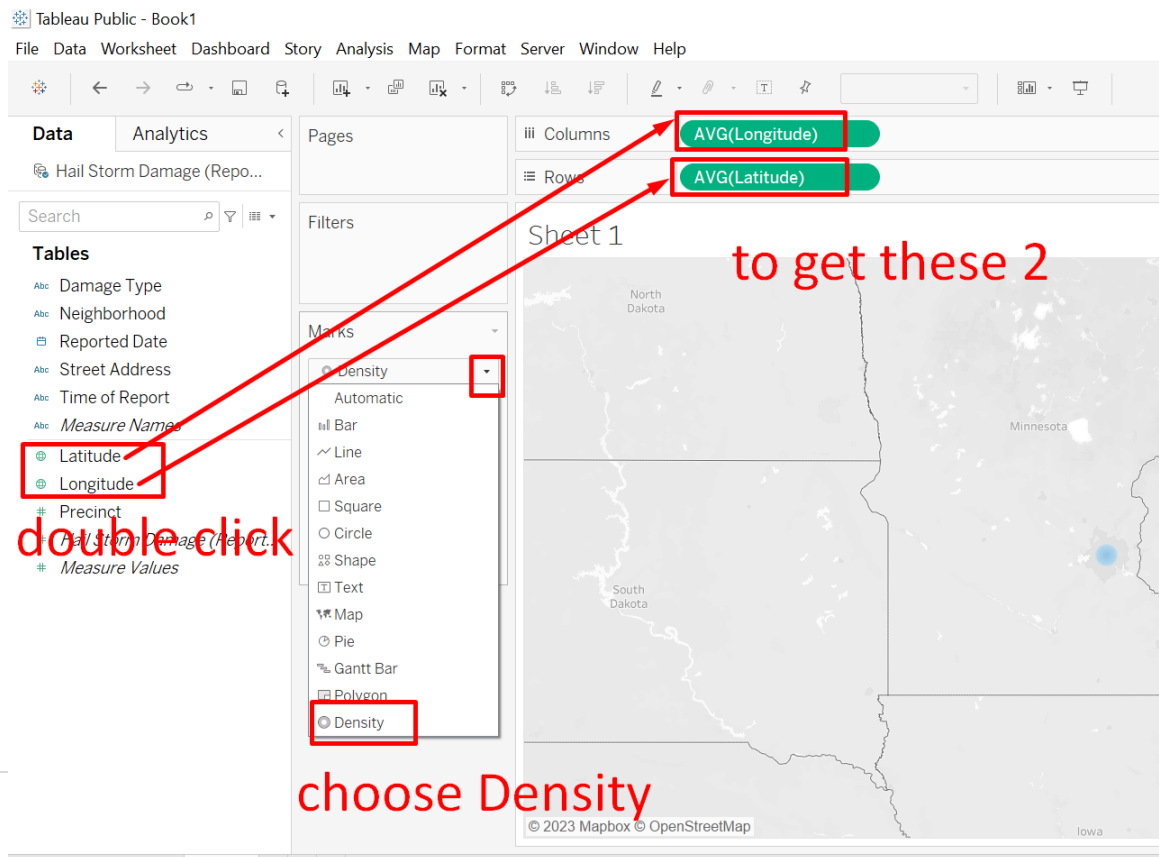
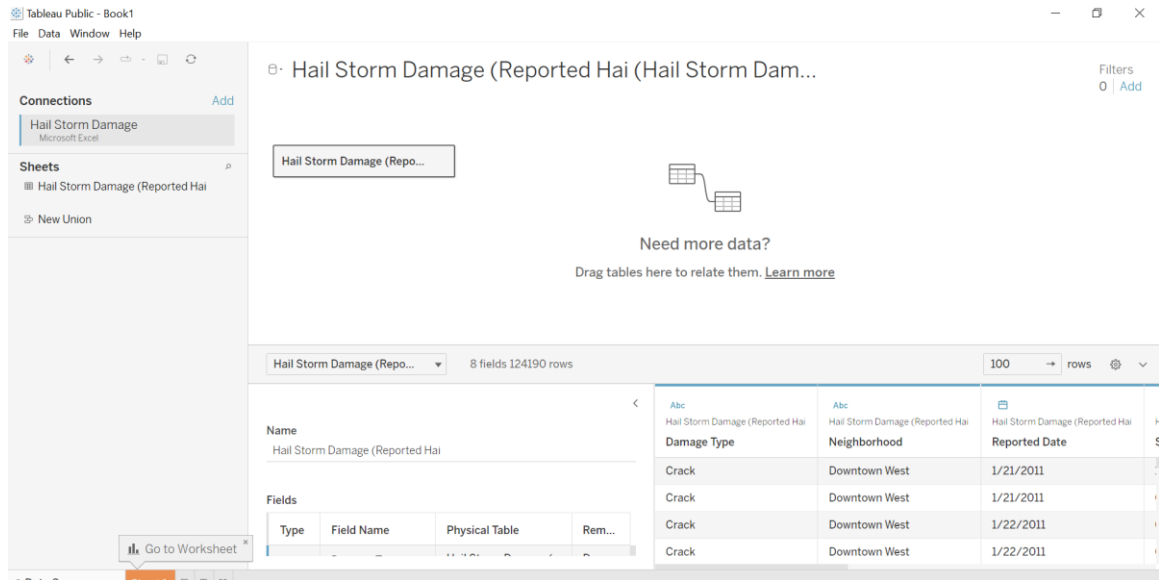


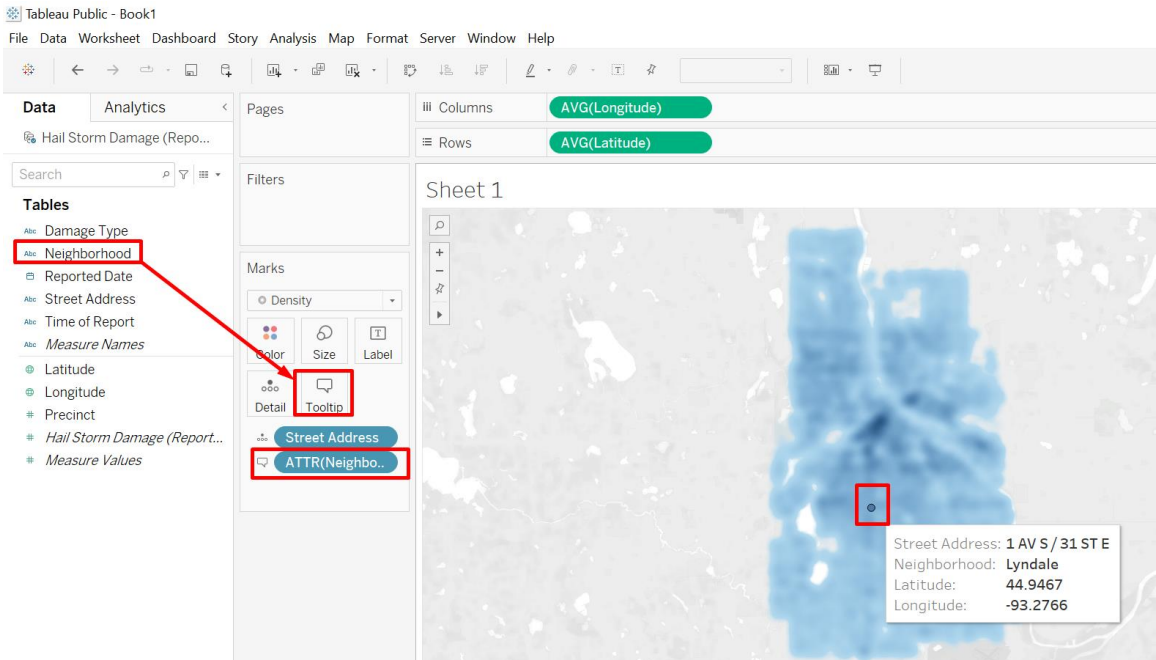
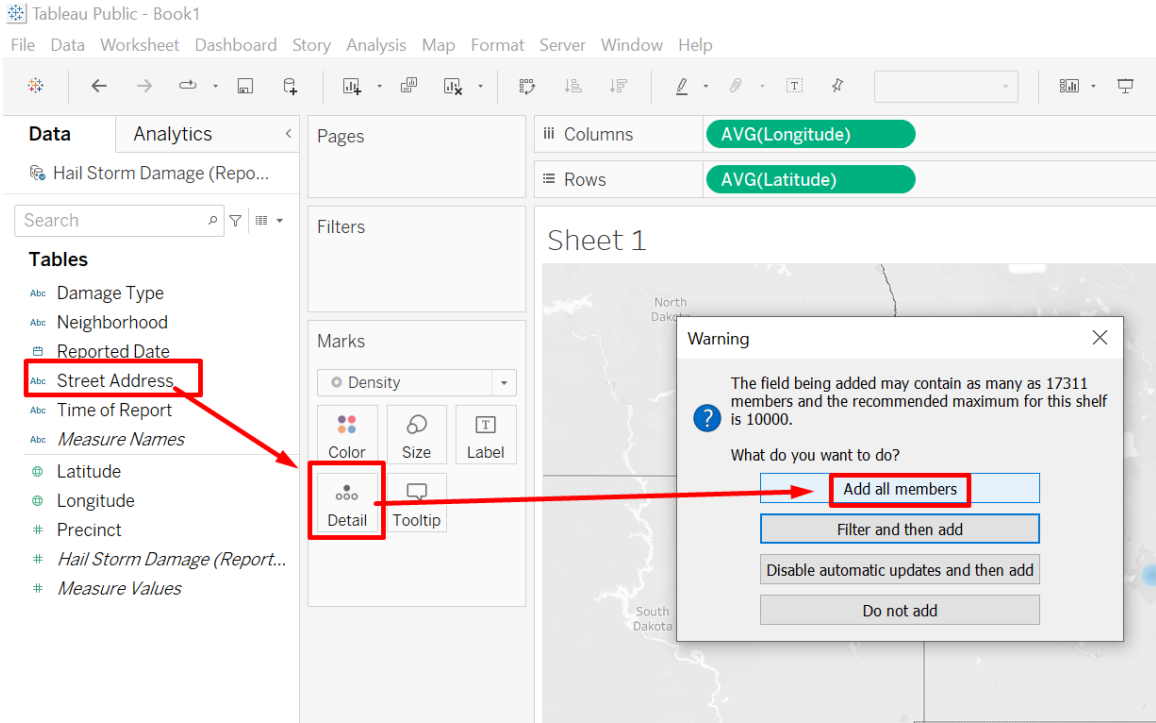
https://public.tableau.com/shared/2R5DGP96?display_count=n&origin=viz_share_link

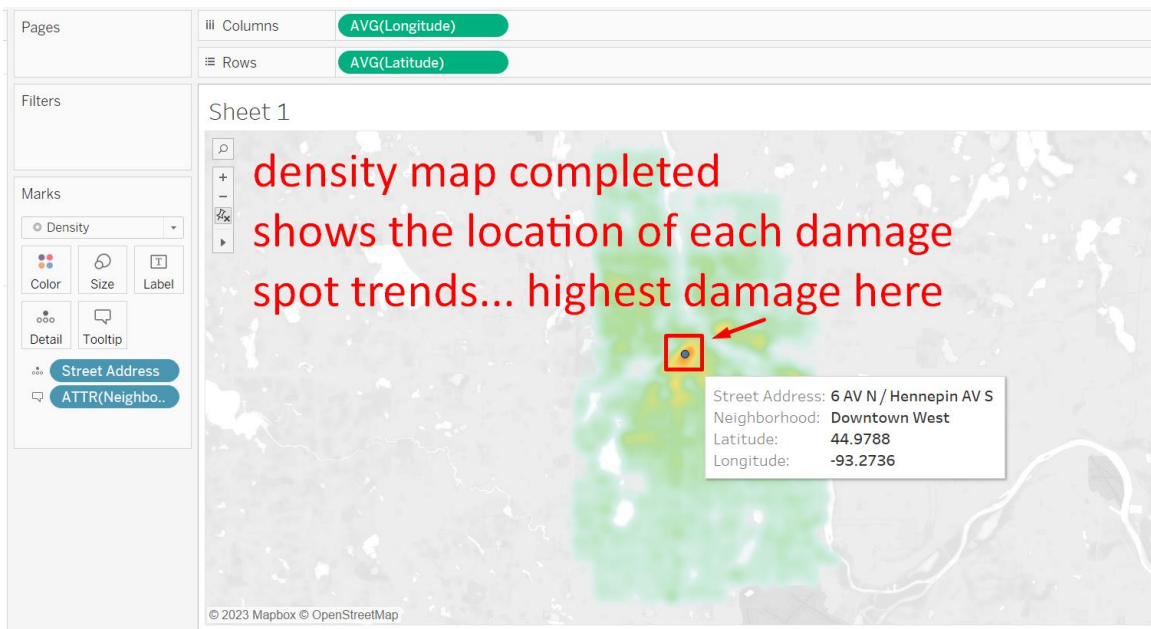
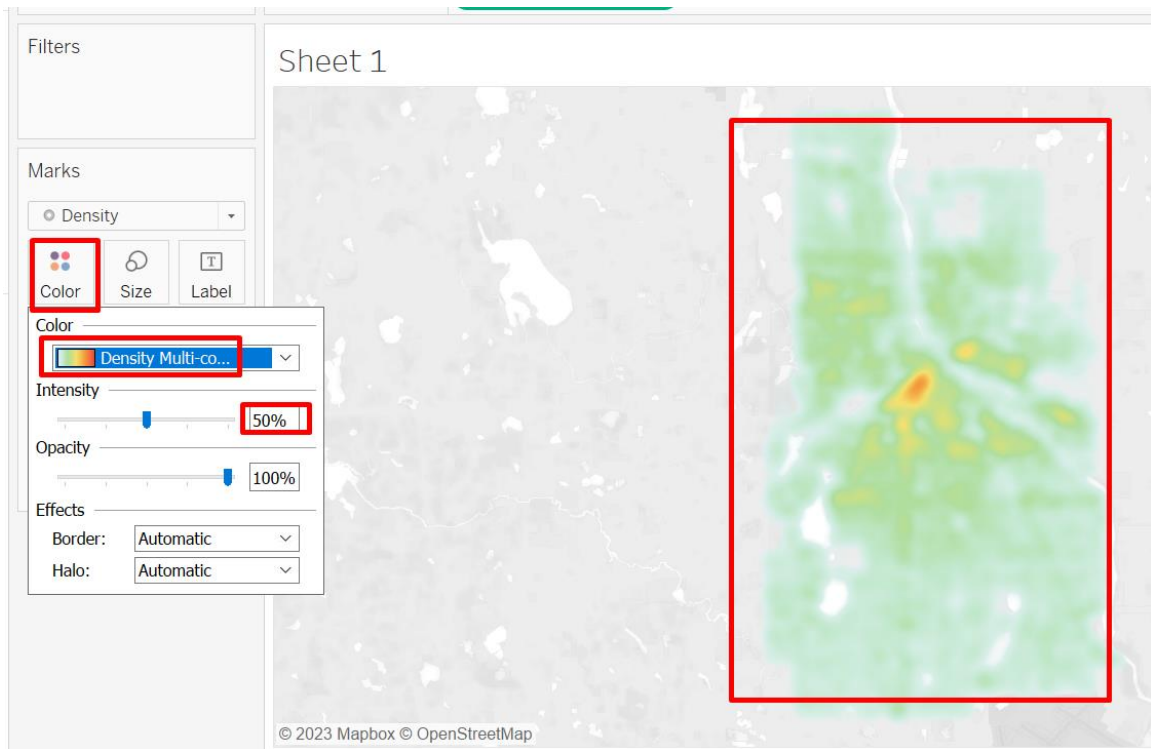
IX. DENSITY MAP

<https://www.alvinang.sg/s/Hail-Storm-Damage.xlsx>

Connect to the data







ABOUT DR. ALVIN ANG



Dr. Alvin Ang earned his Ph.D., Masters and Bachelor degrees from NTU, Singapore. He was a previously a Professor, Scientist and Financial Consultant. Currently, he owns multiple self-started businesses and is a Personal/Business Advisor.

More about him at www.AlvinAng.sg