

**CGIS Map Production  
User Manual  
Team #include**

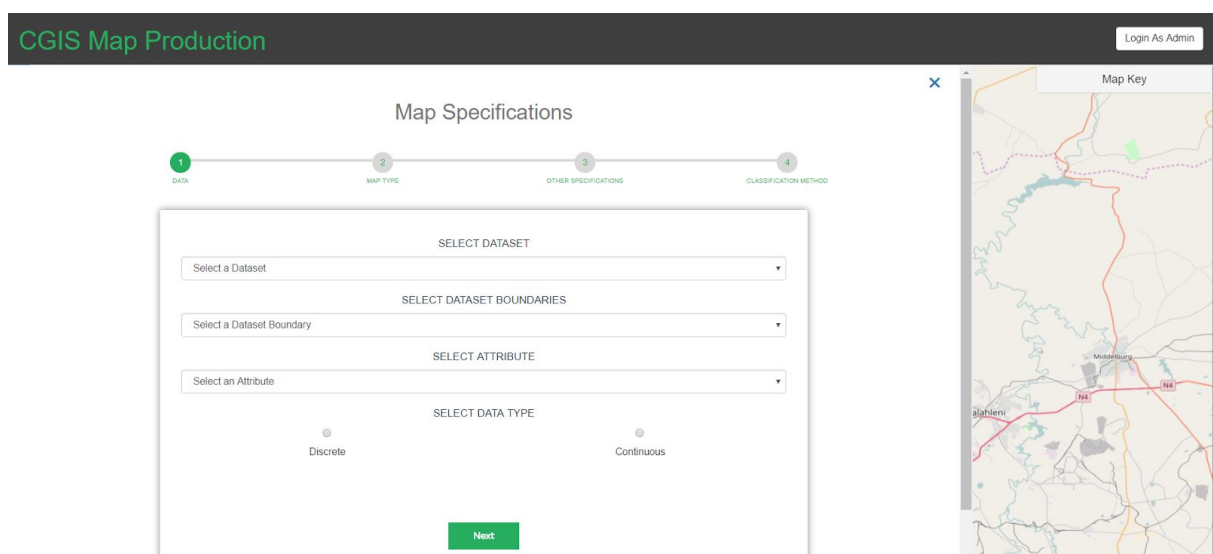
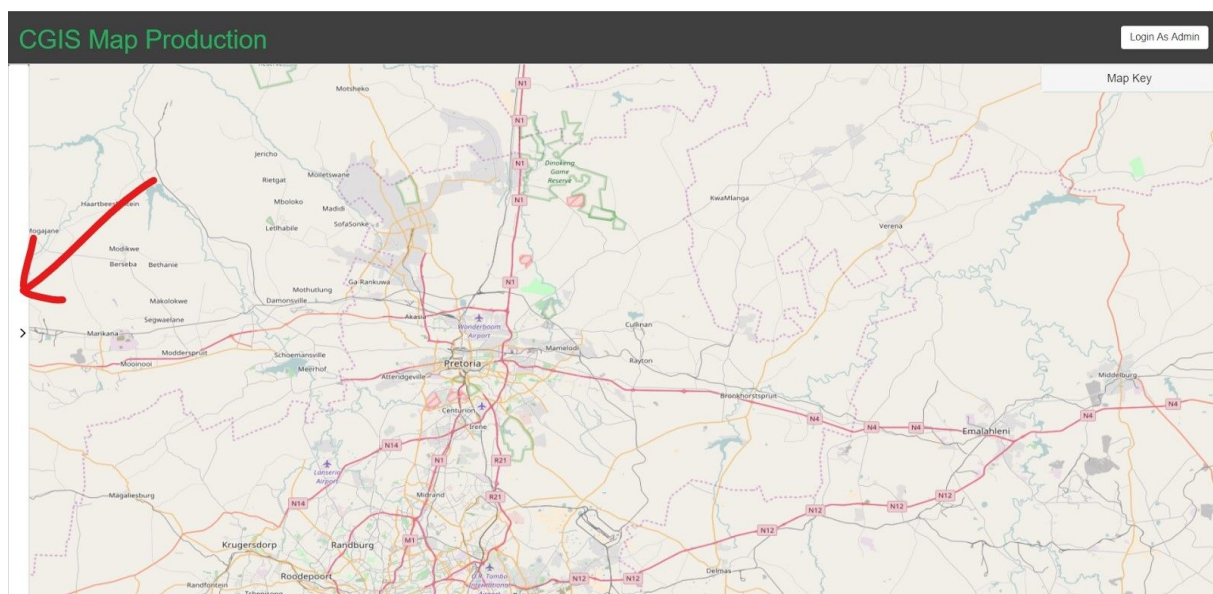
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# How to generate thematic maps with the **CGIS Map Production** system

## 1. Open the sidebar menu

Click on the sidebar to open the menu/wizard.



## 2. Select a dataset

Click on the “Select a Dataset” dropdown list and then select the feature dataset to be used.

CGIS Map Production Login As Admin

### Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

**SELECT DATASET** (highlighted with a red circle and arrow)

Select a Dataset

SELECT DATASET BOUNDARIES

Select a Dataset Boundary

SELECT ATTRIBUTE

Select an Attribute

SELECT DATA TYPE

Discrete Continuous

Next

Map Key

CGIS Map Production Login As Admin

### Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

**SELECT DATASET** (highlighted with a red circle and arrow)

Select a Dataset

- tiger:poly\_landmarks
- tiger:poi
- tiger:tiger\_roads
- sf:archsites
- sf:bugsites
- sf:restricted
- sf:roads
- sf:streams
- topp:tasmania\_cities
- topp:tasmania\_roads
- topp:tasmania\_state\_boundaries
- topp:tasmania\_water\_bodies
- topp:states
- tiger:giant\_polygon
- CGIS:households** (highlighted with a blue bar and red arrow)
- CGIS:wards

Next

Map Key

### 3. Select dataset boundaries

Click on the “Select Dataset Boundary” dropdown list and then click on the appropriate dataset to be used as the geographical boundaries or wards.

CGIS Map Production

Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

SELECT DATASET

CGIS households

SELECT DATASET BOUNDARIES

Select a Dataset Boundary

SELECT ATTRIBUTE

Select an Attribute

SELECT DATA TYPE

Discrete Continuous

Next

Map Key

CGIS Map Production

Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

SELECT DATASET

CGIS households

SELECT DATASET BOUNDARIES

Select a Dataset Boundary

- tiger.poly\_landmarks
- tiger.poi
- tiger.tiger\_roads
- sf.archsites
- sf.bugsites
- sf.restricted
- sf.roads
- sf.streams
- topp.tasmania\_cities
- topp.tasmania\_roads
- topp.tasmania\_state\_boundaries
- topp.tasmania\_water\_bodies
- topp.states
- tiger.giant\_polygon
- CGIS.households
- CGIS.wards

Map Key

## 4. Select an attribute

Select an attribute by clicking on the “Select an Attribute” dropdown list and then clicking on the chosen attribute.

CGIS Map Production

Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

SELECT DATASET

CGIS households

SELECT DATASET BOUNDARIES

CGIS wards

SELECT ATTRIBUTE

Select an Attribute

SELECT DATA TYPE

Discrete Continuous

Next

Map Key

CGIS Map Production

Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

SELECT DATASET

CGIS households

SELECT DATASET BOUNDARIES

CGIS wards

SELECT ATTRIBUTE

Select an Attribute

SELECT DATA TYPE

Discrete Continuous

Next

Map Key

## 5. Select the data type

Specify the datatype of the chosen attribute (discrete or continuous data). If “Discrete” is chosen a dropdown list will appear below the data type radio buttons as shown below.

CGIS Map Production Login As Admin

### Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

SELECT DATASET  
CGIS households

SELECT DATASET BOUNDARIES  
CGIS wards

SELECT ATTRIBUTE  
ha\_dwelling

SELECT DATA TYPE

☒ Discrete ☐ Continuous

Next

Map Key

CGIS Map Production Login As Admin

### Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

SELECT DATASET  
CGIS households

SELECT DATASET BOUNDARIES  
CGIS wards

SELECT ATTRIBUTE  
ha\_dwelling

SELECT DATA TYPE

☒ Discrete ☐ Continuous

SELECT ATTRIBUTE VALUE  
Select an Attribute

Next

Map Key

## 6. Select the attribute value

Select the attribute value to be displayed from the dropdown list and then click on the “Next” button.

CGIS Map Production

Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

SELECT DATASET  
CGIS households

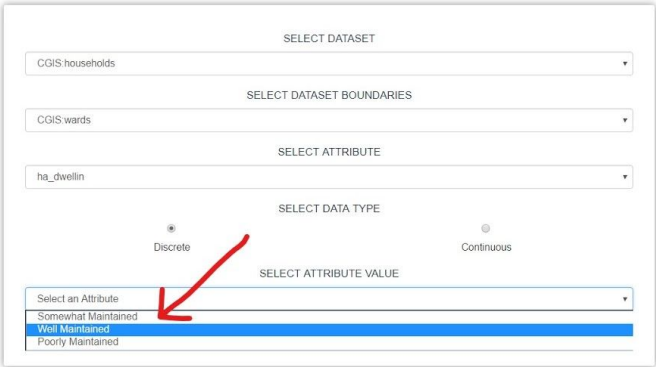
SELECT DATASET BOUNDARIES  
CGIS wards

SELECT ATTRIBUTE  
ha\_dwelling

SELECT DATA TYPE  
☒ Discrete ☐ Continuous

SELECT ATTRIBUTE VALUE  
Select an Attribute  
Somewhat Maintained  
Well Maintained  
Poorly Maintained

Map Key



CGIS Map Production

Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

SELECT DATASET  
CGIS households

SELECT DATASET BOUNDARIES  
CGIS wards

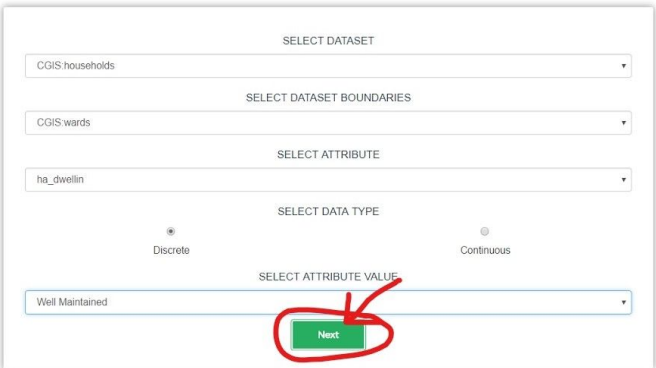
SELECT ATTRIBUTE  
ha\_dwelling

SELECT DATA TYPE  
☒ Discrete ☐ Continuous

SELECT ATTRIBUTE VALUE  
Well Maintained

Next

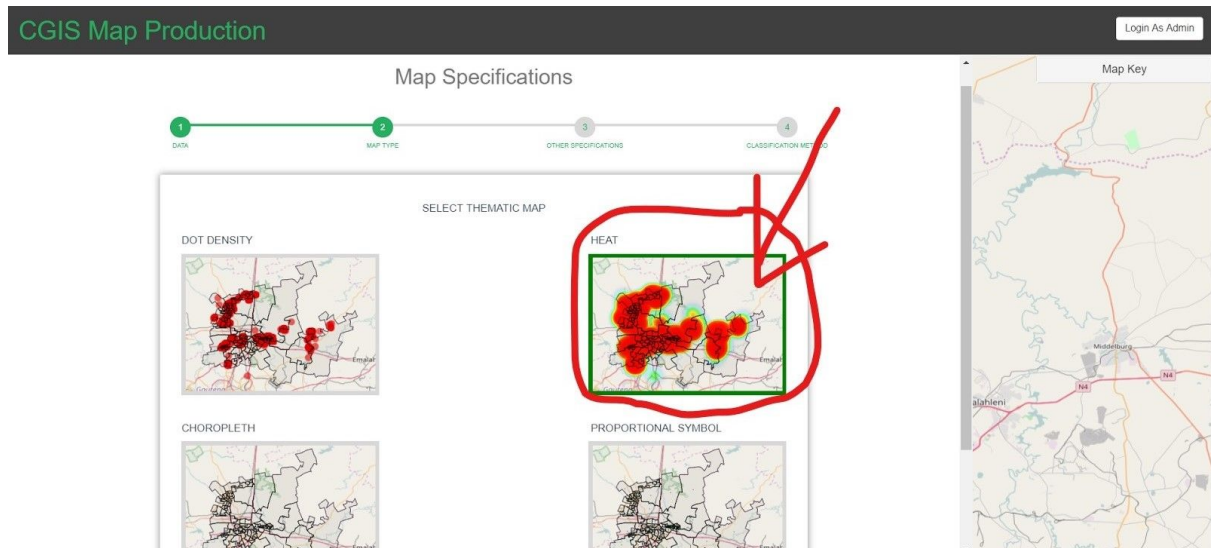
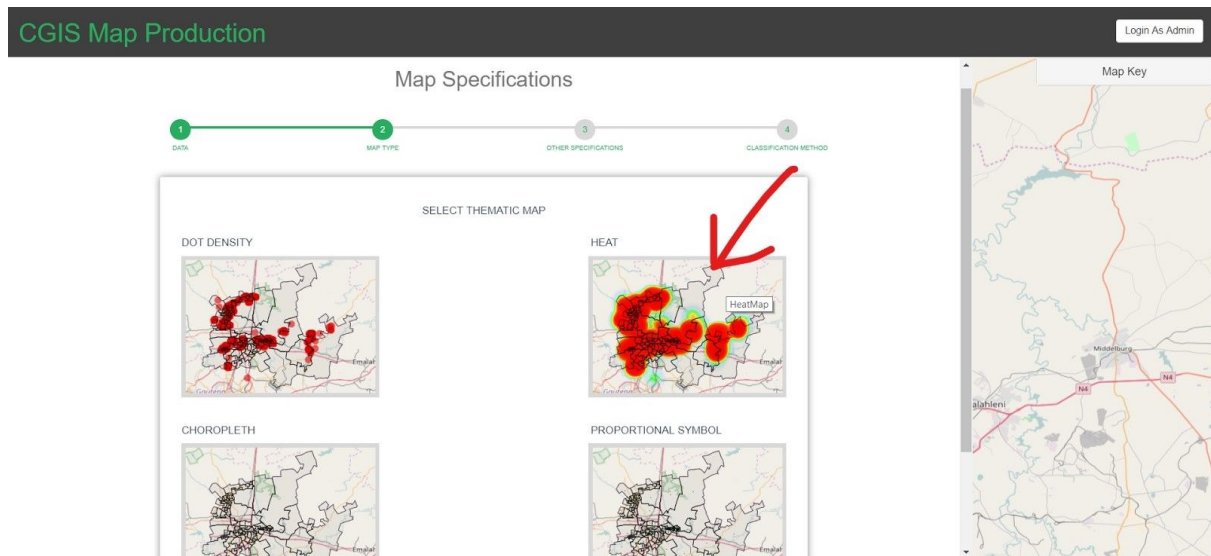
Map Key





## 7. Select the type of map

Select the type of map to be displayed (a heat map for example) by clicking on the image corresponding to the map to be generated. Then click on the “Next” button.



SELECT THEMATIC MAP

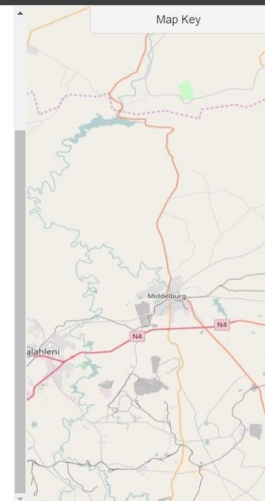
DOT DENSITY

HEAT

CHOROPLETH

PROPORTIONAL SYMBOL

Previous Next



## 8. Specify the number of classes

Enter the number of classes to be used to display the data on the map.

Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

SPECIFY THE NUMBER OF CLASSES

Number of Classes

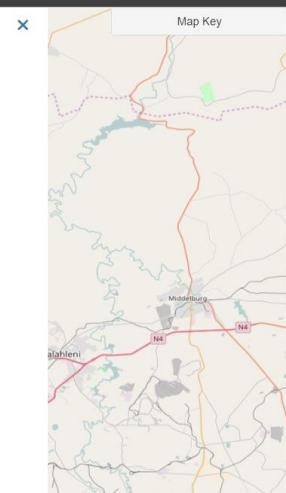
SPECIFY THE STANDARDIZATION METHOD TO BE USED

Area

SPECIFY THE COLOR SCHEME TO BE USED

Red

Previous Next



## 9. Specify the standardisation method

Click on the dropdown list and select the standardisation method to be used to standardise the data.

CGIS Map Production Login As Admin

### Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

SPECIFY THE NUMBER OF CLASSES

5

SPECIFY THE STANDARDIZATION METHOD TO BE USED

Area  
Density  
Ratio  
Rate  
Red

Previous Next

Map Key

## 10. Specify the color scheme

Choose a color scheme for the map to be generated and then click on the “Next” button.

CGIS Map Production Login As Admin

### Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

SPECIFY THE NUMBER OF CLASSES

5

SPECIFY THE STANDARDIZATION METHOD TO BE USED

Area

SPECIFY THE COLOR SCHEME TO BE USED

Green  
Red  
Blue  
Green  
Brown

Previous Next

Map Key

Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

SPECIFY THE NUMBER OF CLASSES

5

SPECIFY THE STANDARDIZATION METHOD TO BE USED

Area

SPECIFY THE COLOR SCHEME TO BE USED

Green

Previous Next

Map Key

## 11. Specify the classification method

(To be completed before final evaluation phase starts)

This final step in the wizard will allow the user to specify the classification method to be used by clicking on one of the dynamically created images, each image will be a map of the data classified with various classification techniques. After the user chose the classification method (image) he/she can click on the “Generate Map” button to generate the final thematic map that can then be downloaded.

Map Specifications

1 DATA 2 MAP TYPE 3 OTHER SPECIFICATIONS 4 CLASSIFICATION METHOD

SELECT CLASSIFICATION METHOD

Previous Generate Map

Map Key