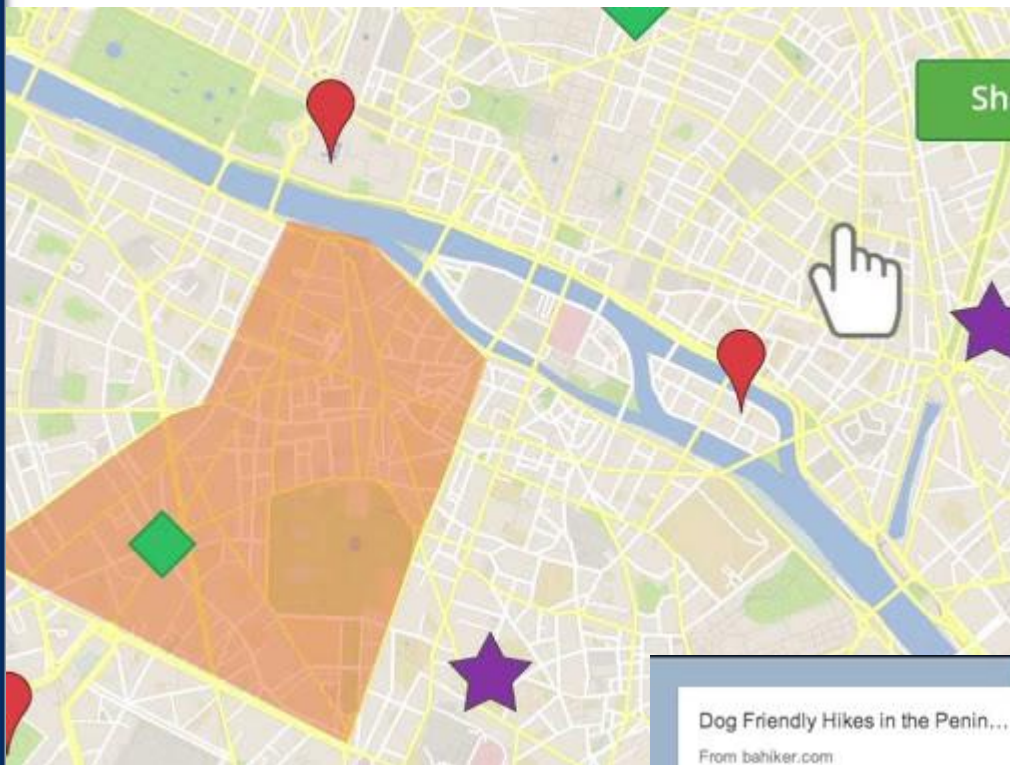


CREATING MAPS WITH GOOGLE MAPS ENGINE LITE

Local voices. Global change.

Contents

- Overview of Google Maps Engine
 - Mapping Gender-based Violence Services in Nairobi
 - Cleaning data
 - Uploading data
 - Choosing fields
 - Styling map
 - Info window
 - Embedding map
 - Presentation
- Summary & Resources



Dog Friendly Hikes in the Penin...
 From bahiker.com

Dog hikes in the peninsula ☒

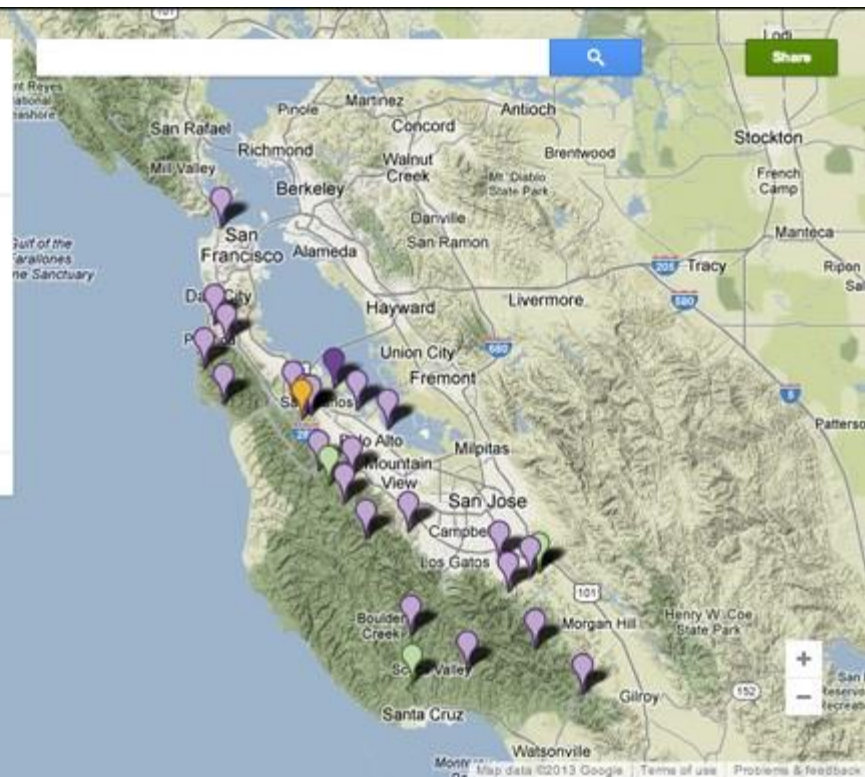
☒ Style
 ☐ Data
 ☐ Labels

Styled by leash or not

- (on leash only) (22)
- (on leash only, designated trail...)
- (on leash only on trails/off lea...)
- (on leash only, dogs prohibite...)

Base map

Google Maps Engine



Internews
 Local voices. Global change.

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Creating Maps with Google Maps Engine Lite

Google Maps Engine Lite and Pro

Draw - Add lines, shapes, or placemarks on the map.

Import - Add a CSV file, XLSX file, My Map, or spreadsheet from Google Drive with geographically-specific data including addresses, place names, or lat/longs.

Layer - Hide or show different content to better understand your map.

Style - Make your point visually with different colors, placemark icons, and line widths.



Creating Maps with Google Maps Engine Lite

Google Maps Engine

- Only accepts .csv files, not Excel
- Limits to 100 rows of data
- Does not allow filtering for items that fall into multiple categories
- Limited functionality for embedding
- Does not produce choropleth (color shaded) maps

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Creating Maps with Google Maps Engine Lite

1. Open the CSV file “GBV Nairobi Maps Engine” and “GBV Service Providers Original”
2. Compare the two files. What has been changed?
3. How has the data been changed?

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Creating Maps with Google Maps Engine Lite

Cleaning your data:

- Where did the data come from?
- Verify phone numbers
- Change capitalizations and misspelling
- Look for any strange formats or missing data
- When in doubt, call to verify

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Creating Maps with Google Maps Engine Lite

Webpage Screenshot

+Eva Search Images Maps Play YouTube News Gmail More ▾

Eva Constantaras ▾ ⚙

Untitled map

Import

Untitled layer ☒ ☐ Import

Add places to this layer by drawing or importing data. [Learn more](#)

Base map

Map data ©2014 AfriGIS (Pty) Ltd, Google. For non-commercial use. Terms

https://mapsengine.google.com/map/edit?mid=z83AI1xHcfQE.kuSyviEW5Jiw Tue May 27 2014 13:11:46 GMT+0300 (E. Africa Standard Time)

Creating Maps with Google Maps Engine Lite

1. Open your google account.
2. Go to
<https://mapsengine.google.com/map/>
3. Click “Create new map”
4. Click “Add New Layer” and “Import”
5. Change the name of “untitled layer” to
“Service Providers”.
6. Import “GBV Nairobi Maps Engine”
|

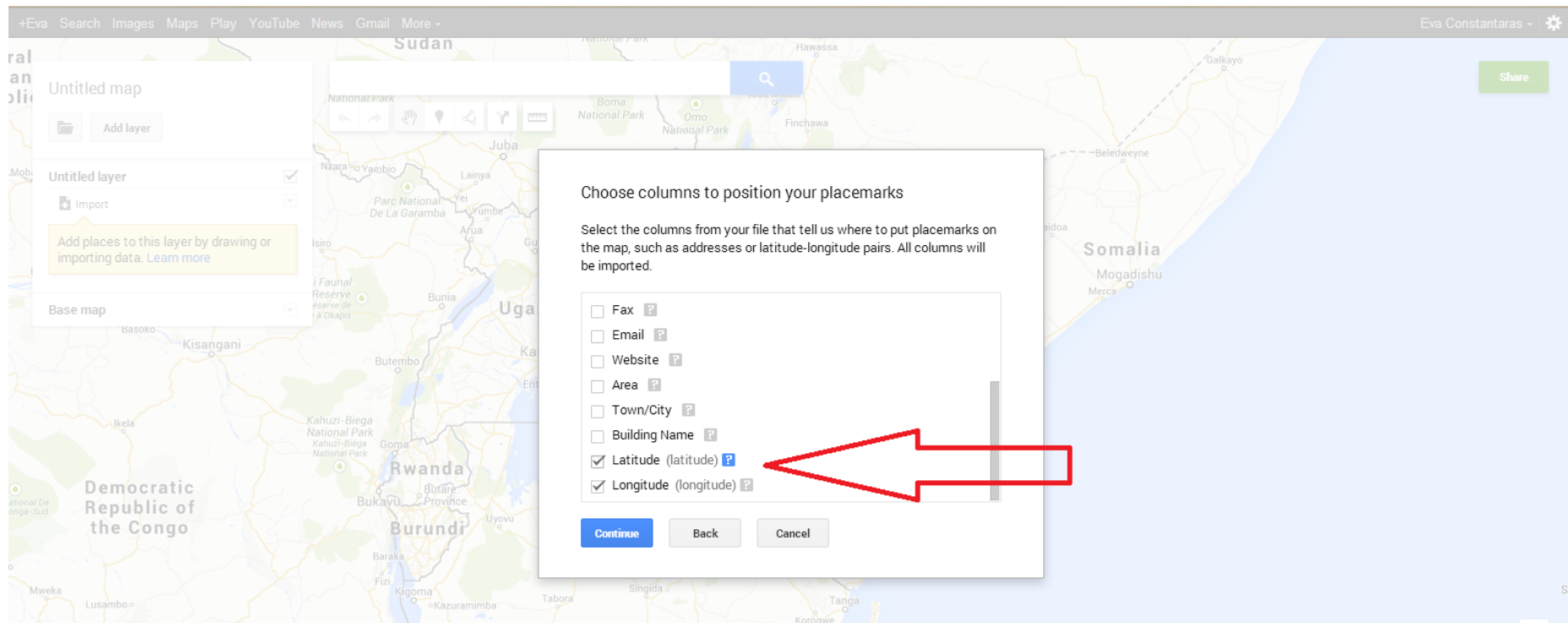
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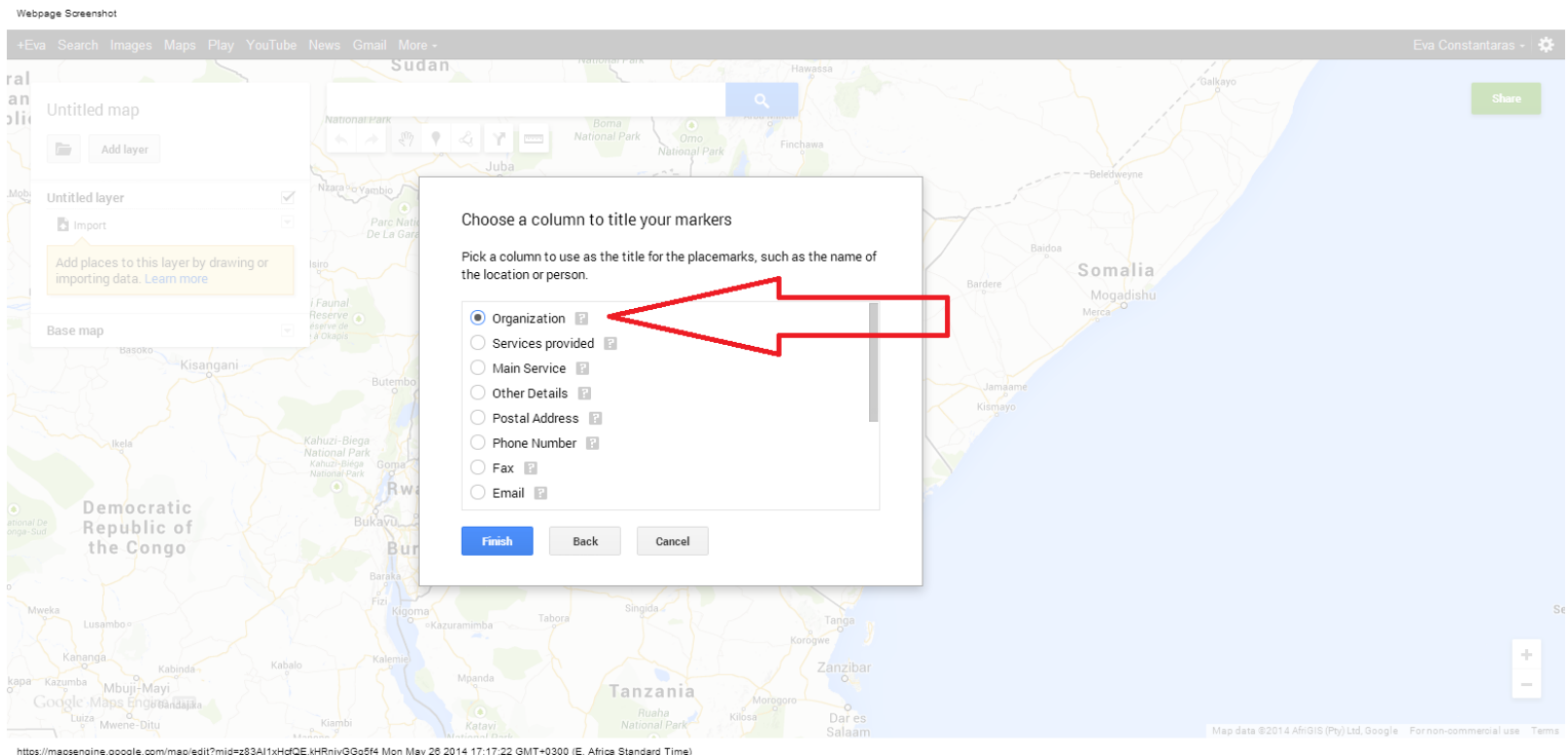
Creating Maps with Google Maps Engine Lite

1. Select the column of data that has geo-location data, in our case, Location: Latitude Longitude



Creating Maps with Google Maps Engine Lite

2. Choose a column to title your markers (so when you click on a point, a title appears)
'Organization' is a good option.



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Creating Maps with Google Maps Engine Lite

1. You should have a map with a bunch of red markers. Click on one to see the information that comes up.
2. To style your pointers, click on style and change from Uniform Style to one of the data columns.
3. You can change colors and shapes for each category in your data column
4. Add a name to your map

Creating Maps with Google Maps Engine Lite

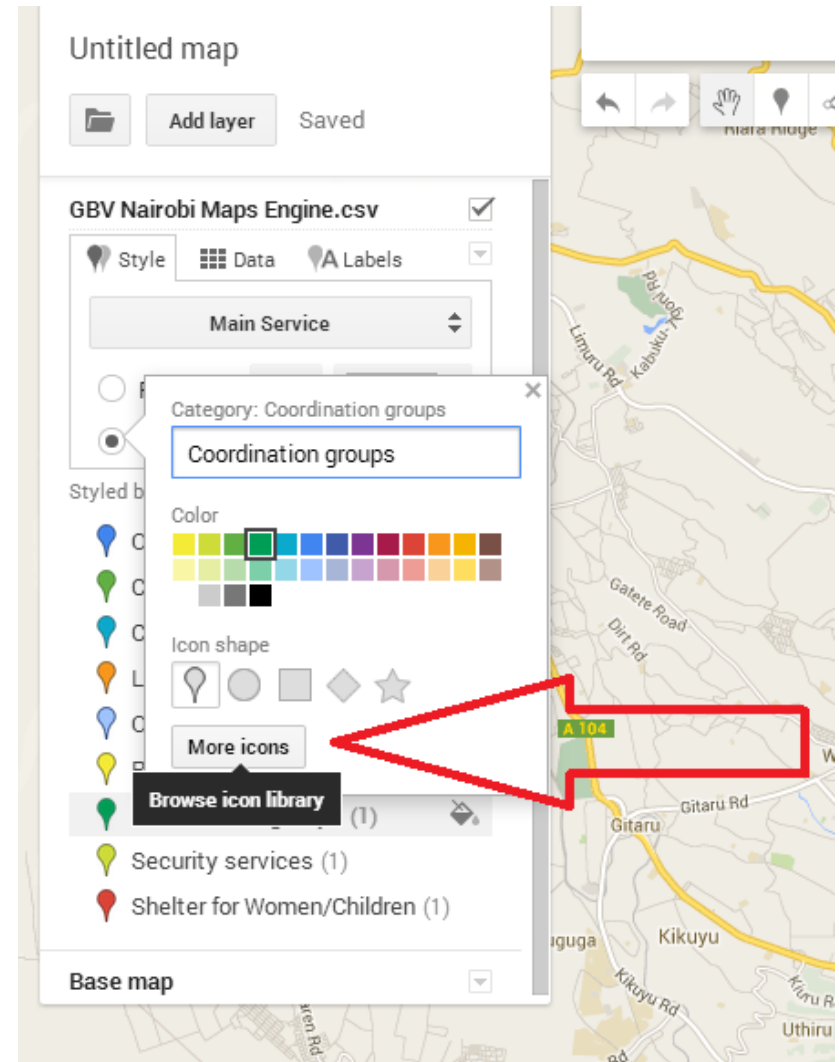
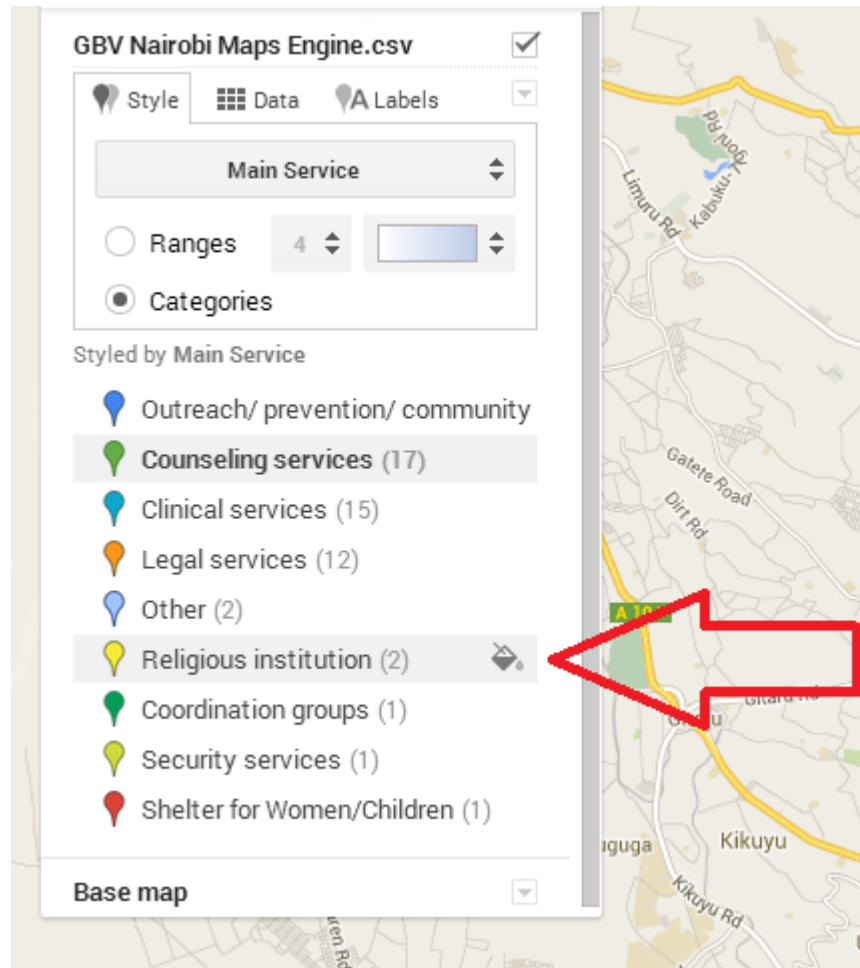
The screenshot displays the Google Maps Engine Lite web application. The top navigation bar includes links for '+Eva', 'Search', 'Images', 'Maps', 'Play', 'YouTube', 'News', 'Gmail', and 'More'. The user's name 'Eva Constantaras' is visible in the top right corner. The main map area shows a detailed view of Nairobi, Kenya, with numerous red location pins marking specific points of interest. The left sidebar contains a menu for 'Untitled map' with options to 'Add layer' and 'Style'. Below this, a list of data columns is shown, with 'Main Service' selected. The map interface includes standard Google Maps controls like a search bar, a toolbar with navigation icons, and a 'Share' button in the top right. The bottom of the map shows the copyright notice 'Map data ©2014 Google' and 'For non-commercial use'.

Google Maps Engine Lite interface showing a map of Nairobi, Kenya, with numerous red location pins. The left sidebar displays the 'Untitled map' menu, including options for 'Add layer' and 'Style'. The map shows various districts and landmarks, with a red arrow pointing to the 'Main Service' data column in the sidebar.



Creating Maps with Google Maps Engine Lite

Click on the small icon to the right of the label to change the marker style



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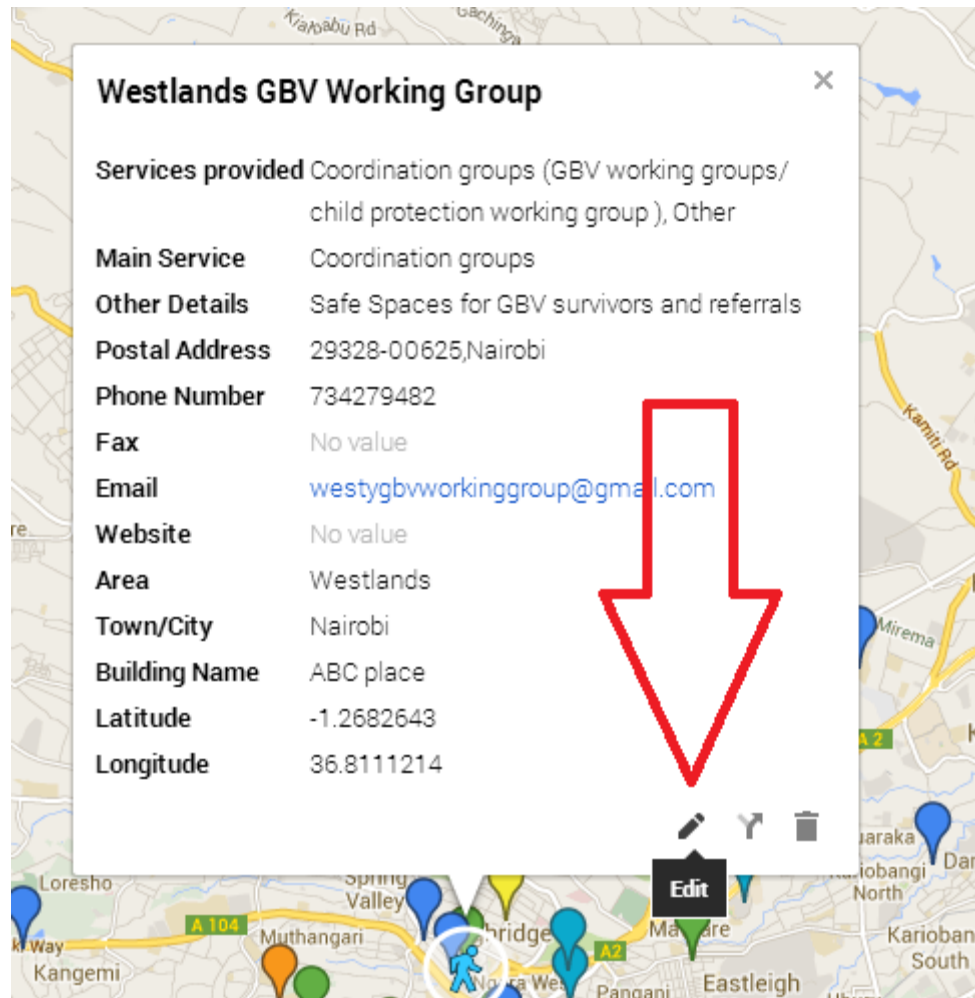
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Creating Maps with Google Maps Engine Lite

1. To change the information displayed in the info window, click on any of the markers and then the pencil in the bottom corner of the window.
2. Deselect the categories that you do not want to appear in the info window.
3. You can also edit the text if necessary and the data will update on the spreadsheet.
4. Finally, you can add photos.

Creating Maps with Google Maps Engine Lite



Creating Maps with Google Maps Engine Lite

1. You need to Add Layer to add more information such as:
 - Points where police stations are located
 - Recent geo-located media coverage of domestic violence.
 - Polygons showing zones where many cases of domestic violence have been reported

Creating Maps with Google Maps Engine Lite

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Creating Maps with Google Maps Engine Lite

1. You need to Add Layer to add more information such as:
 - Points where police stations are located
 - Recent geo-located media coverage of domestic violence.
 - Polygons showing zones where many cases of domestic violence have been reported
 - Directions from one location to another.

Creating Maps with Google Maps Engine Lite

1. You need to Add Layer to add more information such as:
 - Points where police stations are located
 - Recent geo-located media coverage of domestic violence.
 - Polygons showing zones where many cases of domestic violence have been reported
 - Directions from one location to another.

Creating Maps with Google Maps Engine Lite

The screenshot displays the Google Maps Engine Lite interface. On the left, the 'Untitled map' sidebar shows a list of layers under 'GBV Nairobi Maps Engine.csv'. The layers include: Outreach/ prevention/ community, Counseling services (17), Clinical services (15), Legal services (12), Other (2), Religious institution (2), Coordination groups (1), Security services (1), and Shelter for Women/Children (1). Below this, the 'Untitled layer' is selected, with an 'Import' button and a text box stating 'Add places to this layer by drawing or importing data. [Learn more](#)'. The 'Base map' is also visible at the bottom of the sidebar.

The main map area shows a map of Nairobi with various roads and landmarks. A red arrow points to the 'Add layer' button in the top toolbar. Another red arrow points to the 'Untitled layer' in the sidebar, with the text 'New Layer is selected.' next to it. A third red arrow points to the map area, with the text 'Add points, polygons and directions here' next to it.



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Creating Maps with Google Maps Engine Lite

1. You can work together with others on this map by clicking on the green Share button in the top right corner.
2. Select “Public on the web” when you are ready to embed the map in your website.
3. Then, click on the folder icon and select Embed on my site

Creating Maps with Google Maps Engine Lite

The screenshot displays the Google Maps Engine Lite web interface. At the top, a navigation bar includes links for '+Eva', 'Search', 'Images', 'Maps', 'Play', 'YouTube', 'News', 'Gmail', and 'More'. Below this, a search bar with a magnifying glass icon is visible. The main map area shows a topographic view of a region in Kenya, with roads like 'Kiambu Rd' and 'Limuru Rd' clearly marked. A red polygon is drawn on the map, highlighting a specific area. On the left side, a sidebar titled 'GBV Service Providers' is open. It features a folder icon, an 'Add layer' button, and a 'Saved' status. A dropdown menu is currently open, listing options: 'New map', 'Open a map', 'Delete this map', 'Embed on my site' (which is highlighted), and 'Export to KML'. Below the menu, there are several category filters with icons and counts: 'Other (2)', 'Religious institution (2)', 'Coordination groups (1)', 'Security services (1)', and 'Shelter for Women/Children (1)'. At the bottom of the sidebar, an 'Untitled layer' is listed with a checkmark icon.

Summary and Resources

Map created by the IRC and JPGewe

More advanced mapping tools:

- Maps Engine
- Google Fusion Tables
- CartoDB
- Kartography