

# Data Warehouse and Data Mining Lab

---

CSE 326

Gyanendra Kr. Shukla  
CSE 1  
191112040

## Assignment Problem

Creating a GIS cloud fusion table from locations present in a CSV file.

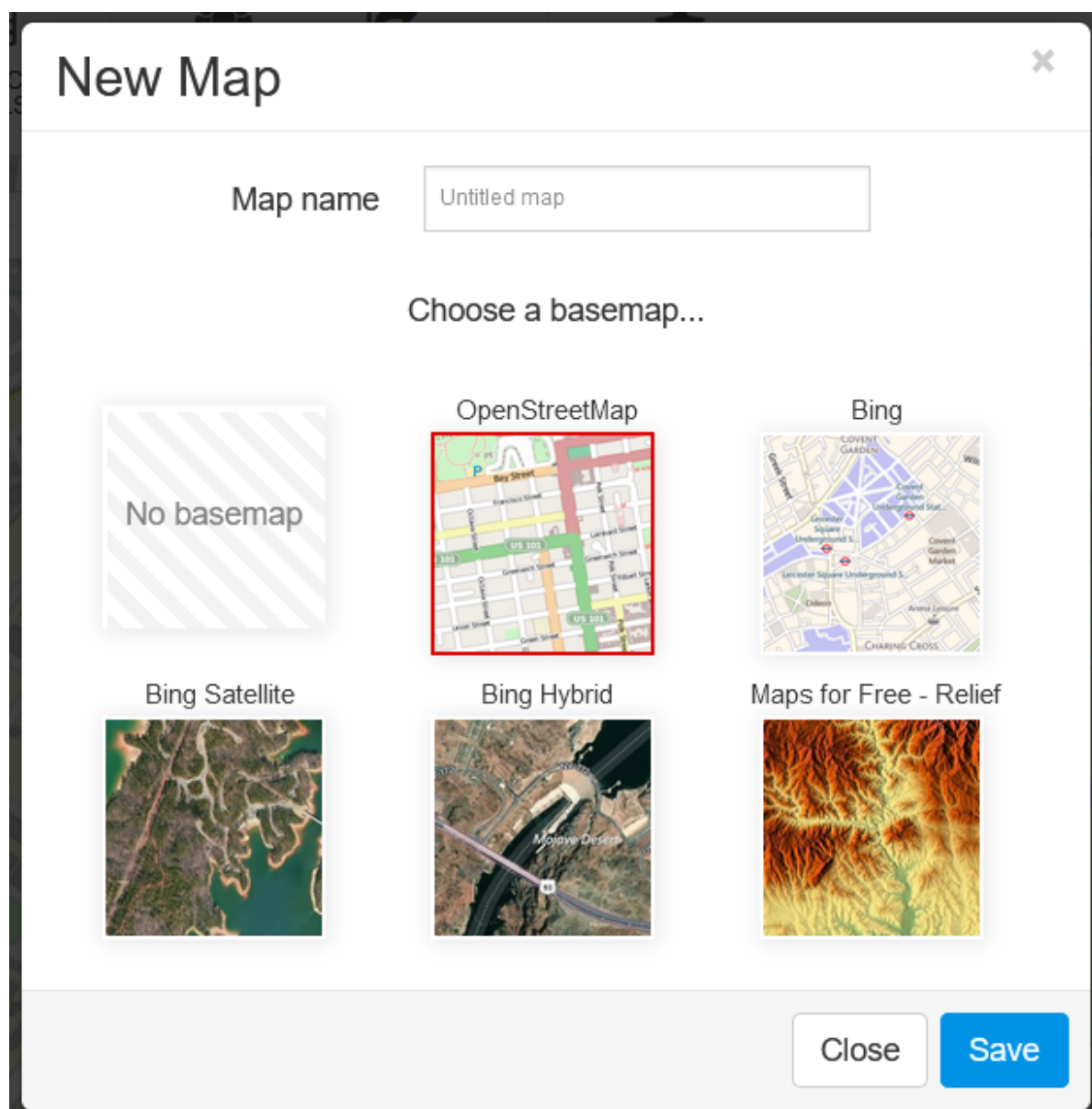
## Approach Used

First I created a map in GIS cloud. Then i upload the data by importing the CSV file. I then added a layer in the data and set up the fields to correctly parse the spatial data. Now that the data has been added, we can click on individual points and get more info about those points. I then also added some more features to the map.

## Detailed Steps

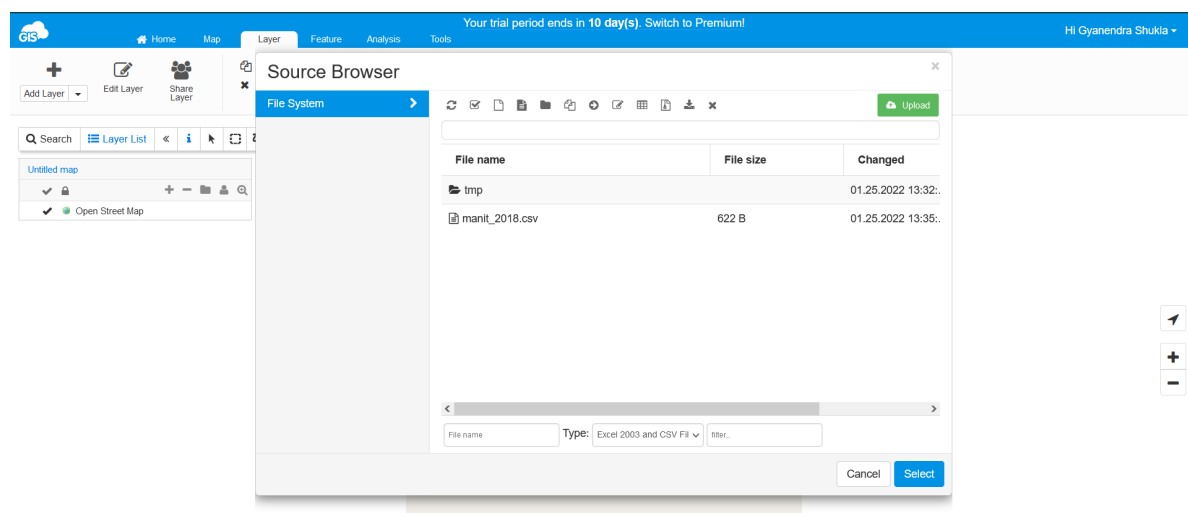
### Step 1

Creating the Map - We can create a new map by either clicking on new map button or from the dashboard. I decided to go with an OpenStreetMap.



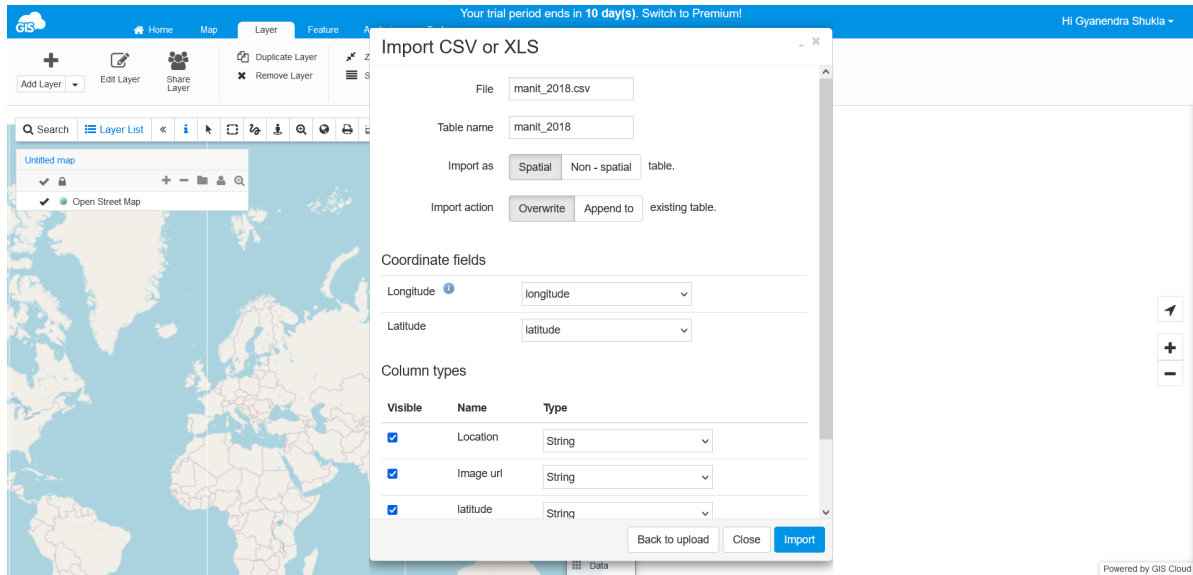
## Step 2

Importing the data - We import the data that we want to fuse through either the map or layer section. We can import data from various sources. I uploaded the file from my computer.



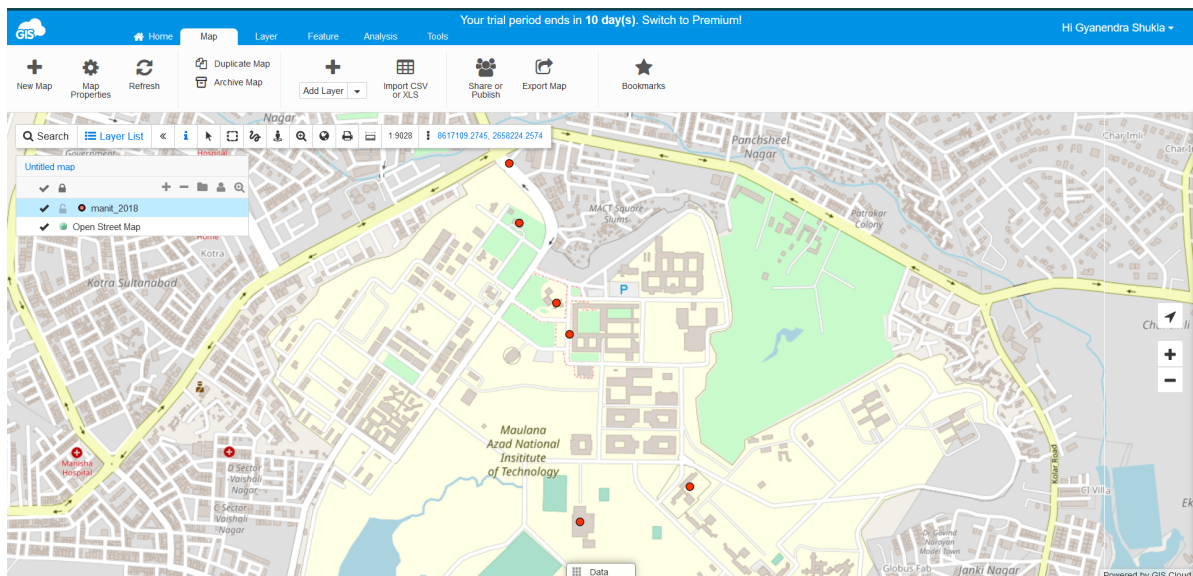
## Step 3

Preparing the data - After the data has been imported, we need to setup proper types for fields and the fields for longitudes. We can also set the visibility of the columns whether we want to show them or not.



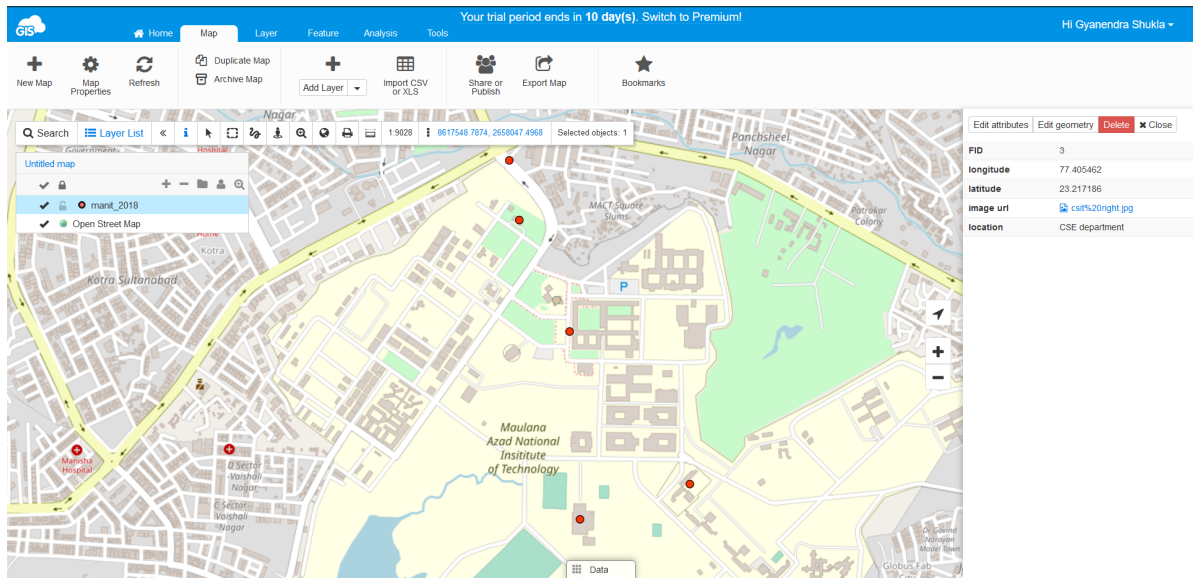
## Step 4

Adding the data layer - Now that we've our coordinates data, we can add it as a layer to our map. Click on the add layer button and from the database section select the table you've just imported. And now we can see our points in the map.



## Step 5

Visualizing the data - We can now see the data present by clicking on them and their details pop out on the right hand side of our screen.



## Adding another feature and Analysis

We can add more features to our map by going to the features tab and adding the data there. We can also edit existing values. We can also perform multiple analyses on the data

location:

Clear

image url:

Clear

latitude:

Clear

longitude:

Clear

Cancel

Save

# Hot Spot Analysis



Layer: manit\_2018



Only point layers

Distance : 500

meters



## Exporting data from GIS

The data that we've added in GIS, added features and analysed, we can export the data either through selecting some particular area or visible areas.

## Export map



### Export area

#### Area type

- ☒ Visible map  
☐ Paper  
☐ Custom area

#### Visible map

The visible area of the map will be exported.

#### Export extent

Left: 8615040.697394285

Right: 8618709.674751975

Bottom: 2657443.1665623076

Top: 2658893.081442591

### Output settings

#### Scale/size

1 : 5 000

#### Image size

Width: 2773px

Height: 1096px

#### Export options

- ☒ Scale  
☐ Legend

Close

Get Image

