

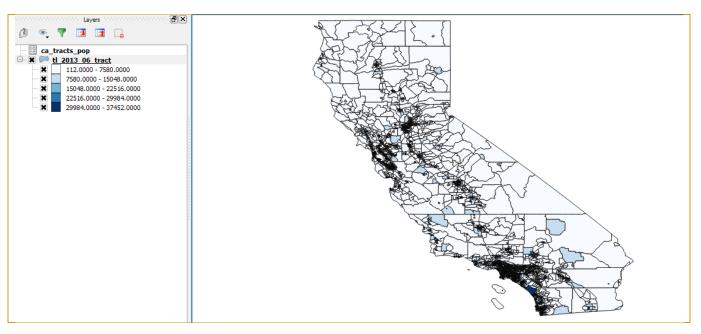
USIT 6P4 Principles of Geographic Information Systems Practical #7

Name	Sanjeev Gupta	Roll Number	21302B0023
Class	TY BSC IT	Division	С
Subject/Course	USIT 6P4 Principles of Geographic Information Systems		
Topic	Managing Data Tables and Spatial data Sets: Table joins, spatial joins, points in polygon analysis, performing spatial queries		

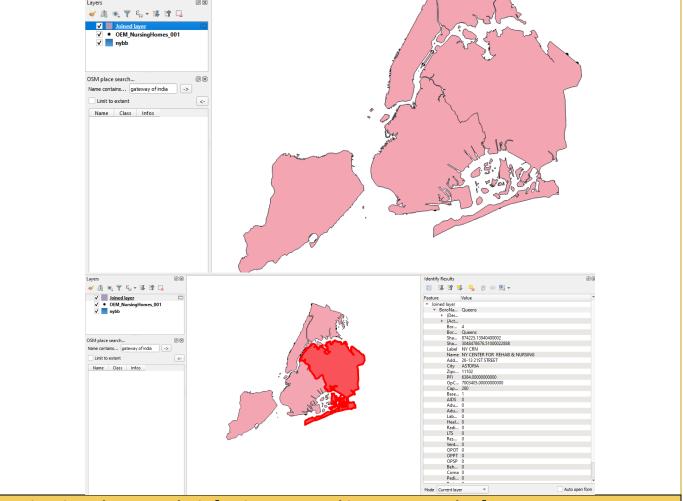
Explain about Data Tables and Spatial data Sets.

Data lables -
A data table is a document comprising columns,
nows and cells that contain specific values.
They store information that people can retrieve
later and update as needed. The data table
title, column headers and now headers can
help a user understand the information in the
table move cleavily.
Spatial data Sets -
Spatial data, also known as geospatial data,
vieters to information that identifies the
geographic location and characteristics of
natural or constructed features and
boundaries on the Earth.

Managing Data Tables and Saptial data Sets [Write steps and insert Screenshot]



Perform Spatial joins [Write steps and insert Screenshot] Shape_Leng Shape_Area City BoroName Label Name Address Zipcode 2 Bronx 464475.0676990... 1186823812.599... BRONX CENTER BRONX CENTE... 1010 UNDERHIL... BRONX 5 Staten Island 330454.8066070... 1623846991.529... CARMEL RICH... CARMEL RICH... 88 OLD TOWN ... STATEN ISLAND 1 Manhattan 357176.1325809... | 636397842.6720... | ROBERT MAPPL... | ROBERT MAPPL... | 327 EAST 17TH ... | NEW YORK NY CENTER FO... 26-13 21ST STR... ASTORIA 874225.1394040... 3048478676.510... NY CRN 11102 742297.8304019... 1937844335.480... BISHOP MUGA... BISHOP FRANC... 155 DEAN STREET BROOKLYN 11217 3 Brooklyn



Points in polygon analysis [Write steps and insert Screenshot]

Layer -> Add -> Vector Layer -> GIS Pract Dataset\Practical_07 3.4\B\nybb_13c_av\nybb.shp

Layer -> Add -> Vector Layer -> OEM_NursingHomes_001.shp

Vector -> Database Management Tools -> Join attribute by location

