

# 11a –Analyzing Spatial Patterns

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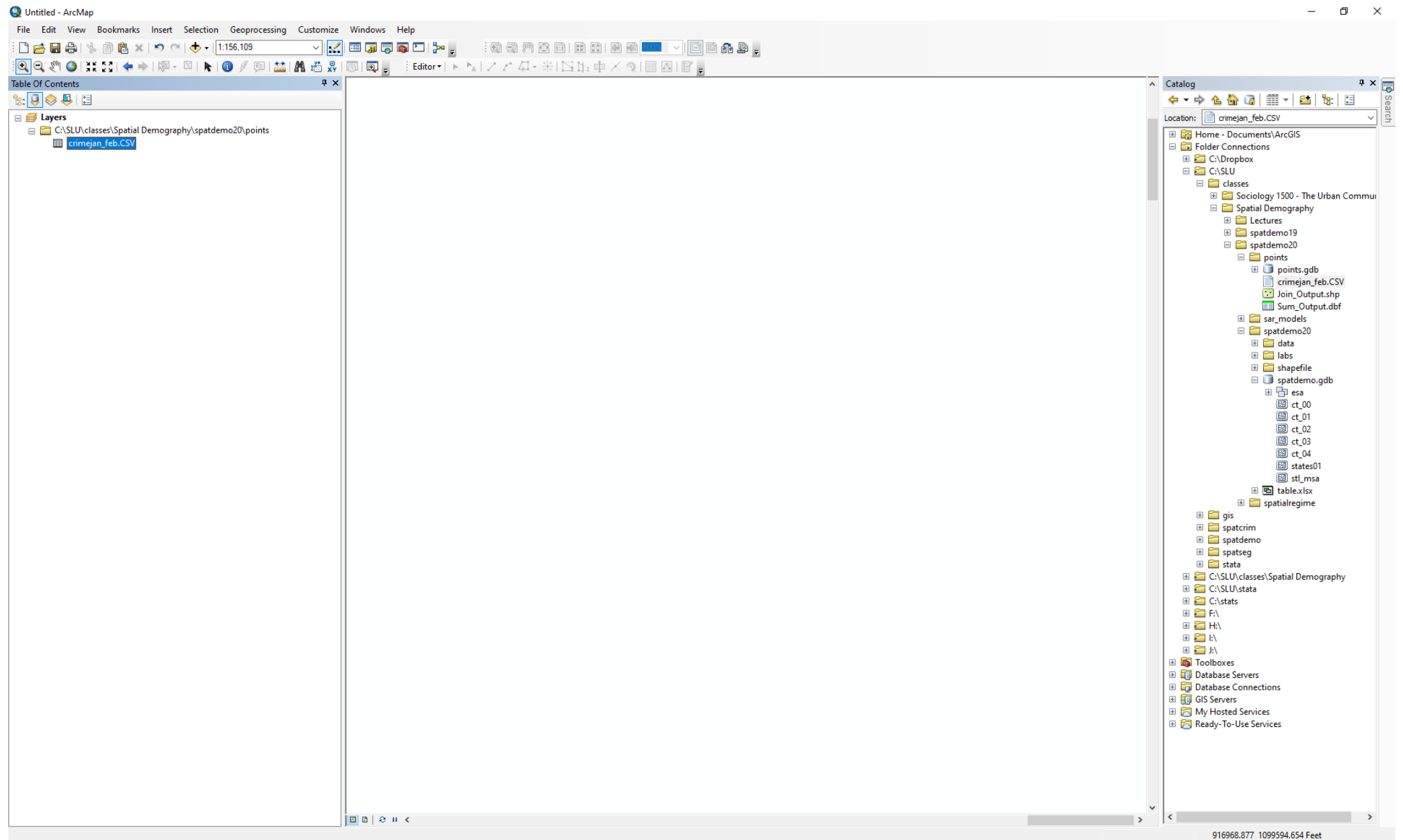
Ness Sandoval

Sociology

Saint Louis University

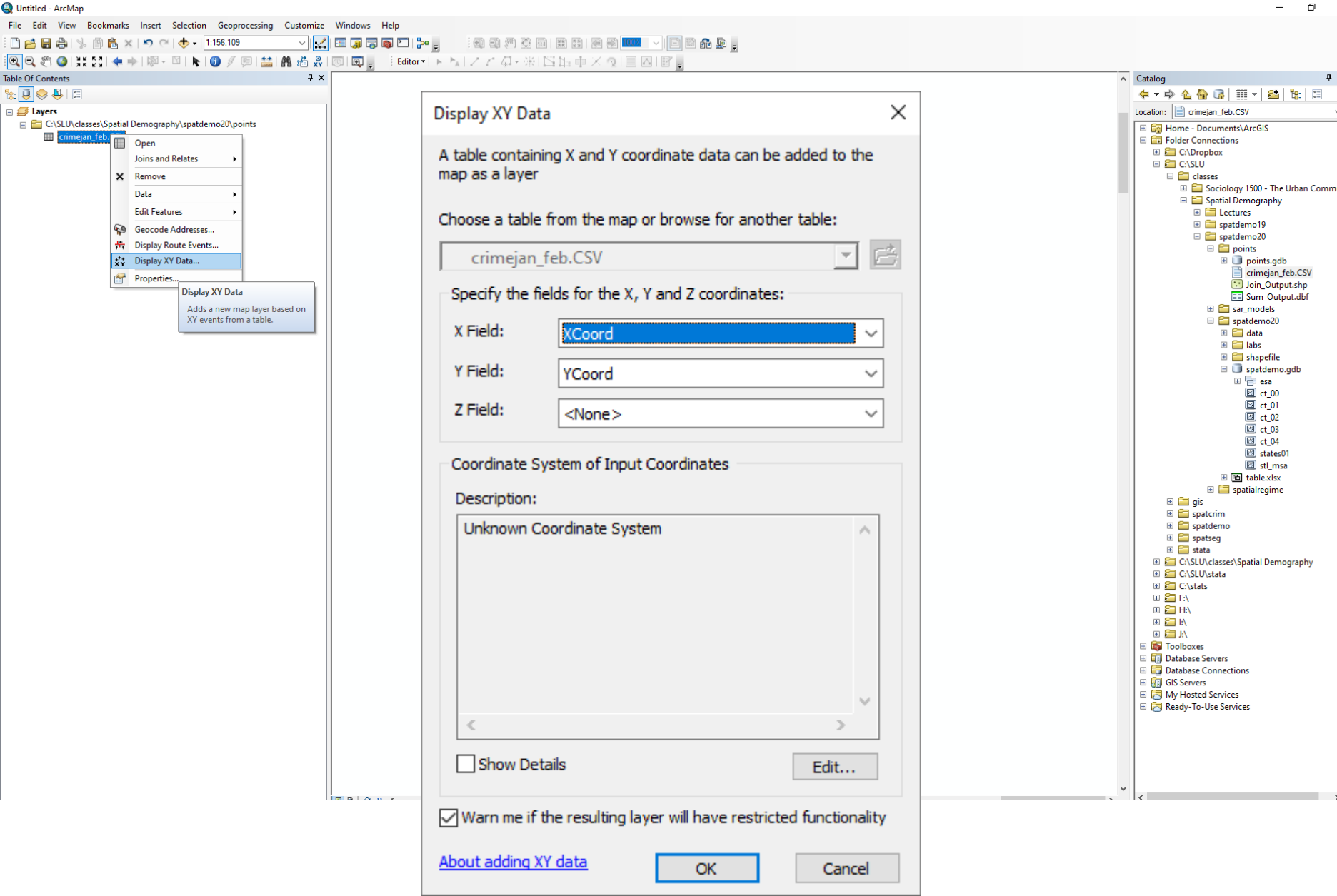
# Step 1

## Add your data



Step 2

Right click and select  
“Display XY Data”



Step 3  
Change the description  
box to the criteria in the  
box to the right

Display XY Data

A table containing X and Y coordinate data can be added to the map as a layer

Choose a table from the map or browse for another table:

crimejan\_feb.CSV

Specify the fields for the X, Y and Z coordinates:

X Field:

XCoord

Y Field:

YCoord

Z Field:

<None>

Coordinate System of Input Coordinates

Description:

Unknown Coordinate System

Show Details

Edit...

☒ Warn me if the resulting layer will have restricted functionality

[About adding XY data](#)

OK

Cancel

Display XY Data

A table containing X and Y coordinate data can be added to the map as a layer

Choose a table from the map or browse for another table:

crimejan\_feb.CSV

Specify the fields for the X, Y and Z coordinates:

X Field:

XCoord

Y Field:

YCoord

Z Field:

<None>

Coordinate System of Input Coordinates

Description:

Projected Coordinate System:  
Name: NAD\_1983\_StatePlane\_Missouri\_East\_FIPS\_24

Geographic Coordinate System:  
Name: GCS\_North\_American\_1983

Show Details

Edit...

☒ Warn me if the resulting layer will have restricted functionality

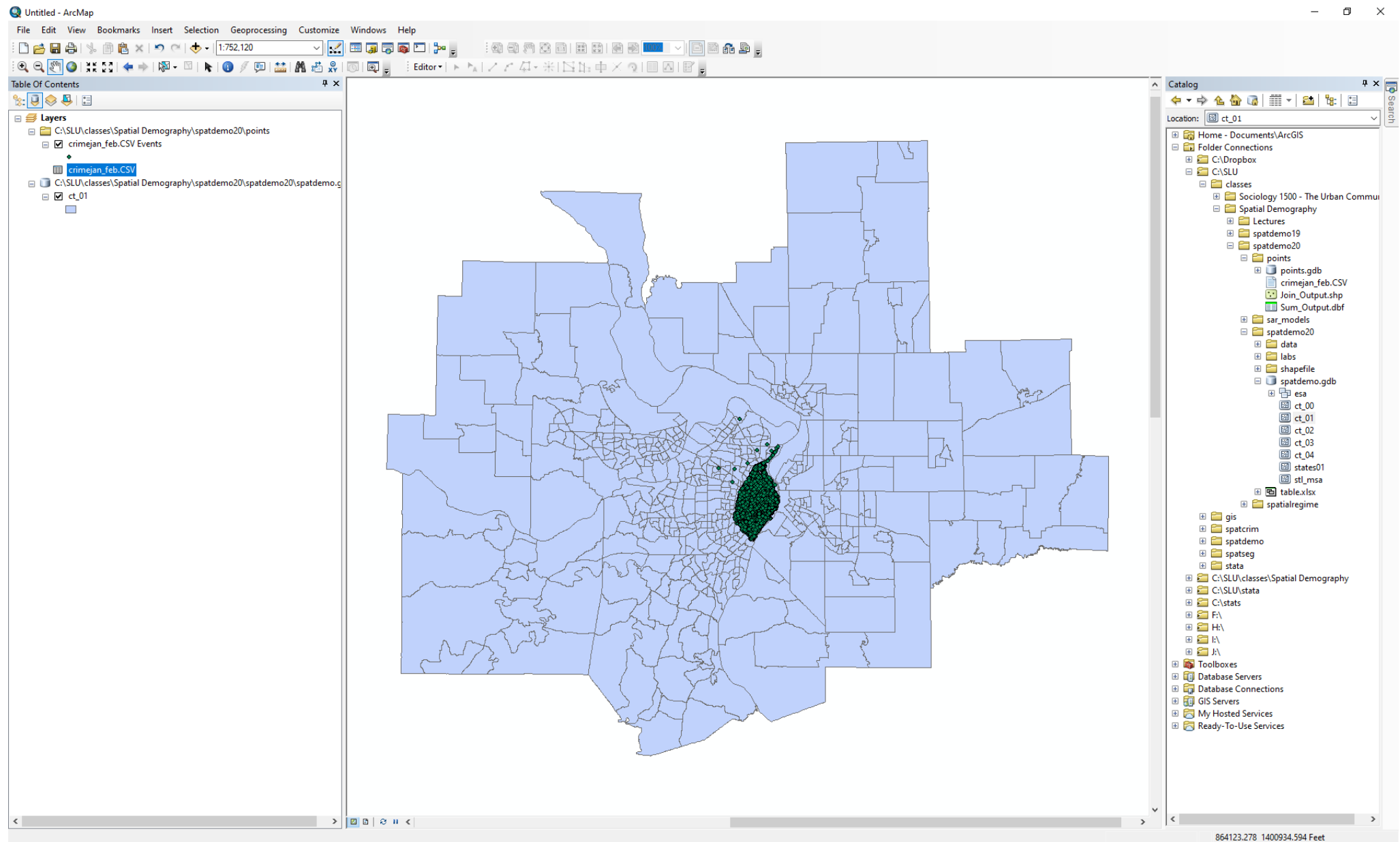
[About adding XY data](#)

OK

Cancel

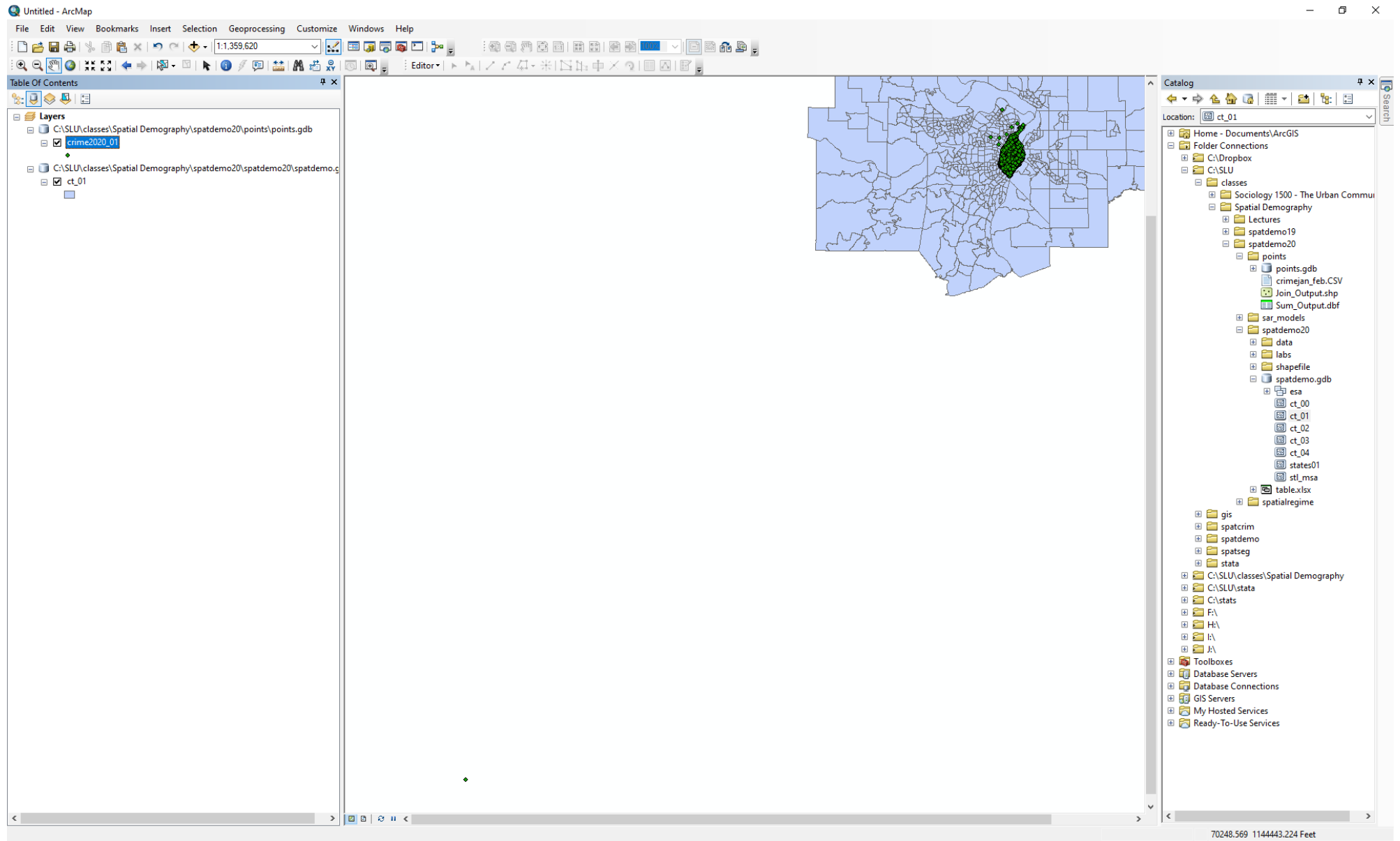
## Step 4

### Add Shapefile of census tracts



## Step 5

### Make the points into a permanent shapefile



Step 6  
Clean point shapefile

Clips points to STL  
shapefile

Delete duplicates

