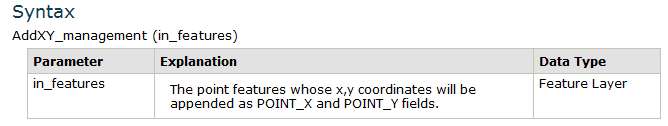
**Challenge Exercises**

*Challenge 1*

Tool:

* Add XY Coordinates

Summary: Adds the fields POINT\_X and POINT\_Y to the point input features and calculates their values. It also appends the POINT\_Z and POINT\_M fields if the input features are Z- and M-enabled.

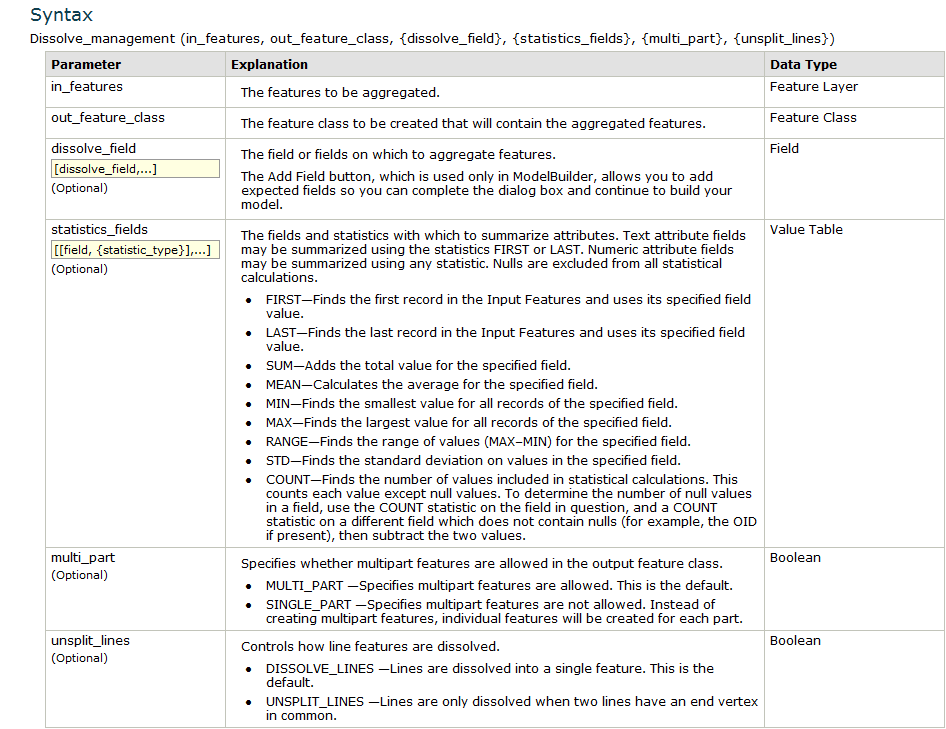


Its parameter required is the in\_features.

There are no other optional parameters and deafults.

* Dissolve

Summary: Aggregates features based on specified attributes.

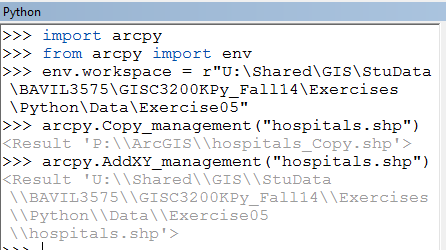


Its Parameters are the in\_features, dissolve\_field, statistics\_field, multi\_part, unsplit\_lines.

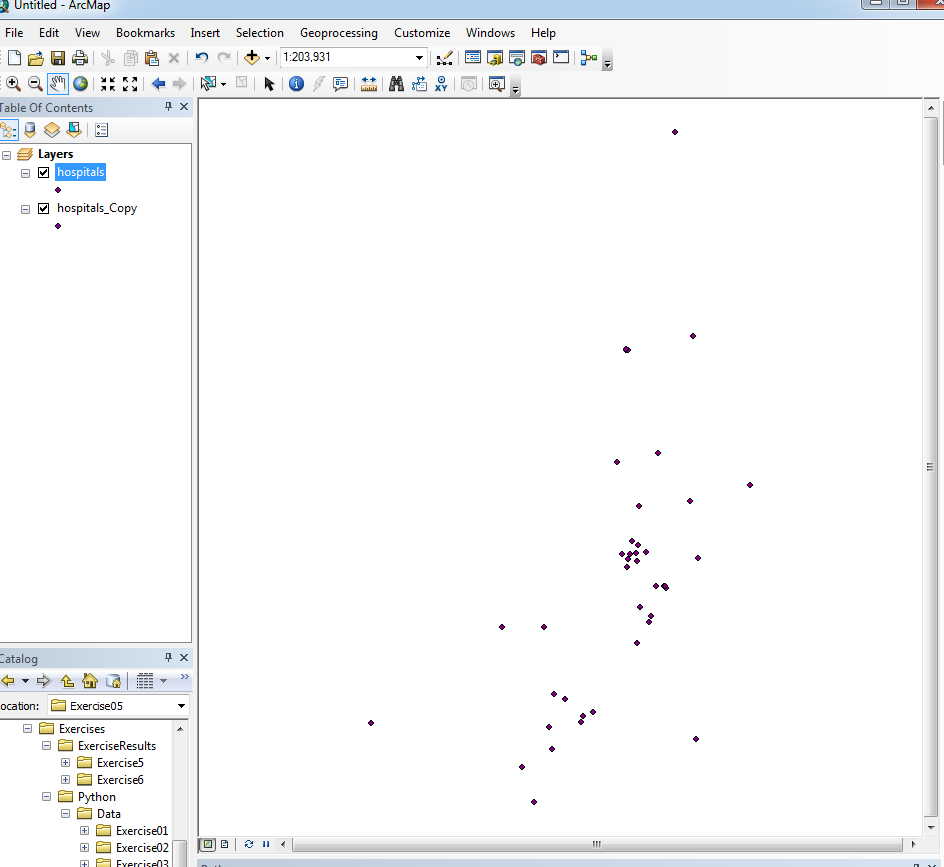
The optional parameters are the [dissolve\_field,…], [[field,{statistic\_type}],…], multy\_part, unsplit\_lines. Their defaults is the MULTI\_PART and the DISSOLVE\_LINES.

*Challenge 2*

Writing a script that runs the Add XY Feature Tool with the hospitals.shp



This is the outcome of the map.

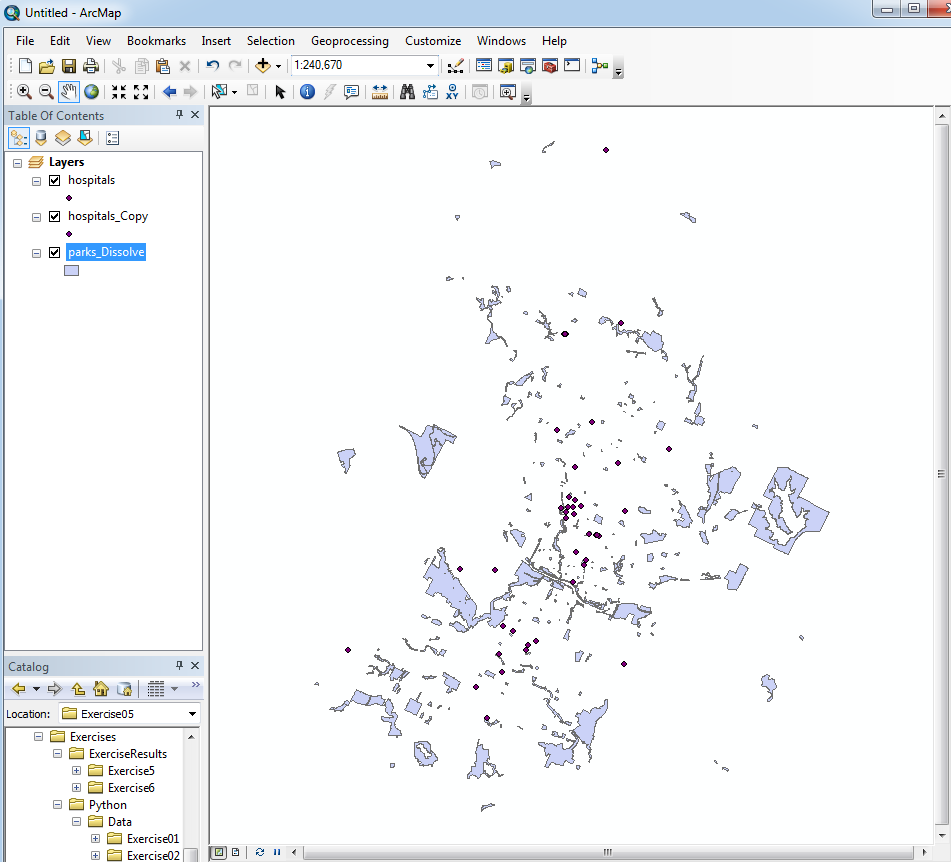


*Challenge 3*

Writing a script running the Dissolve tool with the parks.shp



This is the outcome of the map.



*Challenge 4*

Writing scripts to determine whether the following extensions are available: ArcGIS 3D Analyst, ArcGIS Network Analyst, and ArcGIS Spatial.

