



SPATIALIST GROUP

Center in Focus

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GIS9317 Deliverable 2

Mr. Xinxia Jiang
GIS9317 Instructor
Niagara College

Dear Mr. Jiang,

Re: GIS9317 Deliverable 2 – Create a Feature Class from XY Data

Please accept this letter as my formal submission of “Deliverable 2 – Create a Feature Class from XY Data”.

As per the deliverable terms of reference a python script has been written to create a point feature class from two text files that included coordinates data. After creation of feature class, as per the deliverable terms of reference number of farms that falls in the given extent has also been listed.

The script has been created using Pythonwin graphic user interface with the help of all the lectures and exercises given in class. The exercises were of great help to understand the basic fundamental concepts of python scripting and using functions and modules wherever required. The challenging part was to list all the farms that falls in the given area. The shapefiles were created by creating an event layer from XY data and then copying features to the shapefile. After creating shapefiles, the resultant shapefiles were merged to one shapefile named “npFarm.shp”. The challenging part was completed using the merged shapefile named “npFarm.shp”. The loop was used to extract the result and the result showed 36 farms in the given coordinates. Moreover, the python script has been zipped using 7.zip to avoid restrictions in sending email. To work with ArcGIS modules, arcpy module was imported. To create directory, delete existing result folder and read and write files, operating system module and shutil module were imported. This was helpful to create familiarity in paths while scripting and avoid syntax errors. The python script created, generated the desired results and hope satisfy your needs.

Should you require further information, please do not hesitate to contact me via phone at 905.324.0298 and via email at kehri.vishal4594@gmail.com at your convenience. I look forward to working with you on such a worthwhile and interesting project.

Regards,

Vishal Kehri, PGDM GIS – GM, B.Plan
GIS Analyst, Urban Planner

V.K. /

Enclosures: 1. kehriVGisc9317D2.py (Python Script)