Lab Exercise

UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

GEOG 489 Programming for GIS   **Spatial Autocorrelation**
Lab 5

Due: March 31st, 11:59:59 PM
Grading: 5 points
Late penalty: 1 point subtraction per day (No points after 5 days)

Introduction
In this lab, you will choose your own study area to measure spatial accessibility to hospitals. The focus of this lab is to let you conduct an accessibility study from scratch, starting from data acquisition to accessibility measurement.

Things to be submitted: ENTIRE folder that has data and Jupyter Notebook as a zip file. (GEOG489_Lab6_[YOUR_NET_ID].zip).

Tasks

1. Launch CyberGISX (https://cybergisxhub.cigi.illinois.edu/) and create an empty Jupyter notebook (or you can reuse other notebooks created in earlier labs).

2. Copy and paste (or type) the following code into the cell you just created. This will download the lab materials from the GitHub repository to your CyberGISX environment.
   If you want to create a new cell, you can press 'b' on your keyboard or click Insert -> Insert Cell Below on the menu.

   !svn checkout https://github.com/jparkgeo/GEOG489/trunk/Labs/Lab6

3. Navigate to the root folder of your CyberGISX environment. You will see a folder named 'Lab6'. Go inside of the folder and open 'Lab6_Spatial_Accessibility.ipynb'.

4. Finish the tasks described in the notebook and save the notebook in your local directory for submission.
   Name schema: 'GEOG489_Lab6_[YOUR_NET_ID].ipynb'

Done!! Please submit the deliverables to learn.illinois.edu.