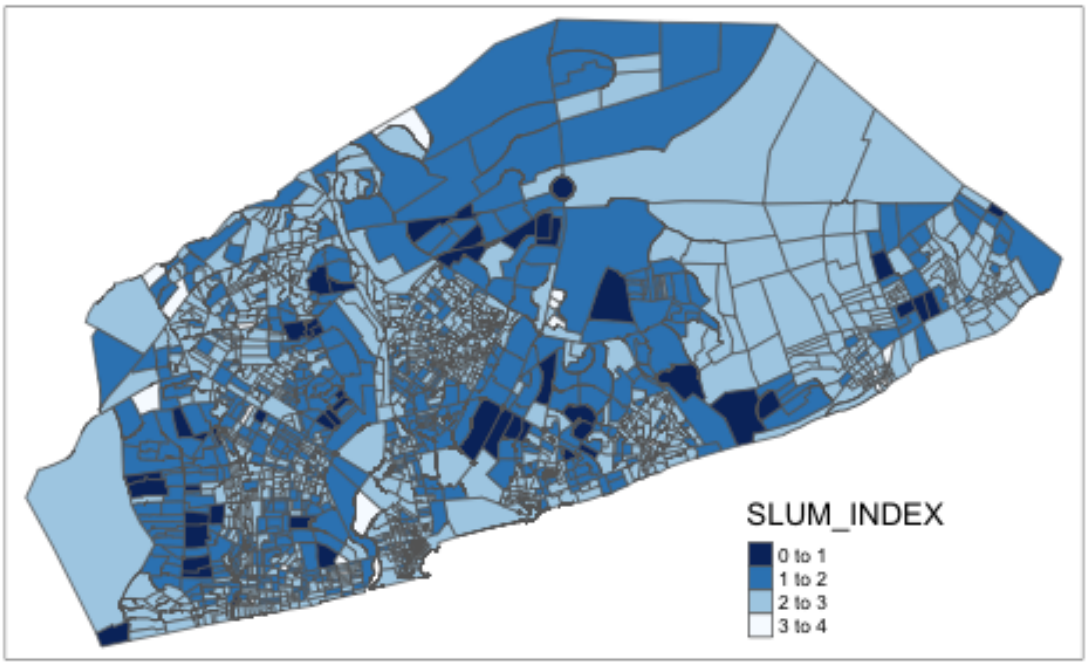
Lab 2. Introduction to Visualising Spatial Data with R

Due by noon on Friday, September 11th



"Everything is related to everything else, but near things are more related than distant things."

Tobler, 1970

Laboratory in Brief:

The purpose of this laboratory is to introduce students to working with spatial data by ...

Specific Objectives:

1. To install use the packages ...
2. To use the functions ...
3. To do this ...

Software and Resources you will need or will be helpful:

1. The R Project for Statistical Computing otherwise known simply as R. The R framework can be downloaded from
   `https://www.r-project.org/`
2. item 2 ...
3. item 3 ...

Step by Step Instructions:

1. Create a Map using Leaflet
2. Create a Map using GGMap
3. Create a Map using TMAP
4. Do some spatial descriptive statistics using TMAP & GGMAP

Grading

You will be graded like so ...

Your lab report should include the following elements.

1. all three maps, including description an analysis of each one
2. integrated into your report, a description of the code you used, in a manner that demonstrates your knowledge of how the code functioned and operated
3. an analysis of how increased disaggregation effects the statistical description of spatial data

The highest grades will be reserved for work that not only spatially describes your chosen area in a statistically rigorous manner, but also uses quantitative analysis to suggest and support inferential conclusions.