BMTRY 763: Tutorial 2

SatScan Tutorial

The analysis of clustering of cancer cases is of great importance.
In the **http://people.musc.edu/~abl6** folder, are some data files that can be used with SatScan

1) Lancashire larynx cancer (1974-1983)
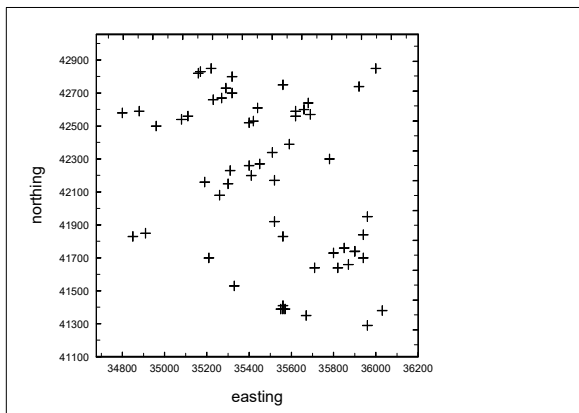
file: larynx.cas

Figure 1 Larynx cancer case map

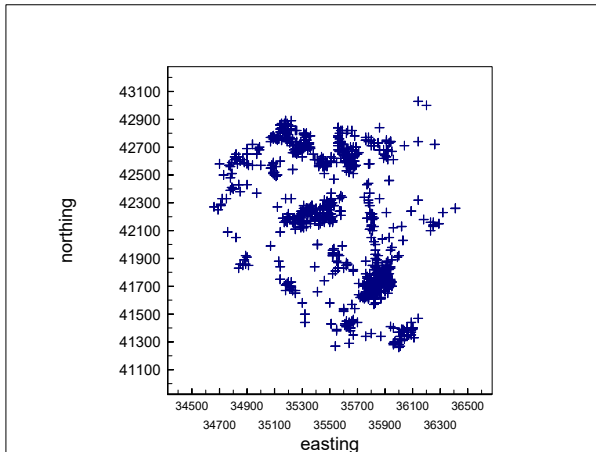Control case event data set: Lung cancer

File: lung.ctl

Figure 2 Lung cancer control event map

We also need a geography file that contains the coordinates of the points in the case and control files.
File : lancgeog.geo

a) Run SatScan with an appropriate model to find areas of clustering

b) Interpret the results:
- are there primary and secondary clusters?
- Where are they located?
- What are their significance?

2) Add a new grid file to SatScan with a single point (3.5450,4.1400).
Carry out an analysis using this file.

    a) what analysis has been performed?
    b) interpret the results and compare them to the results of 1) above