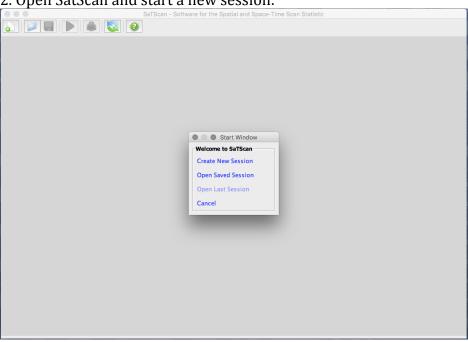
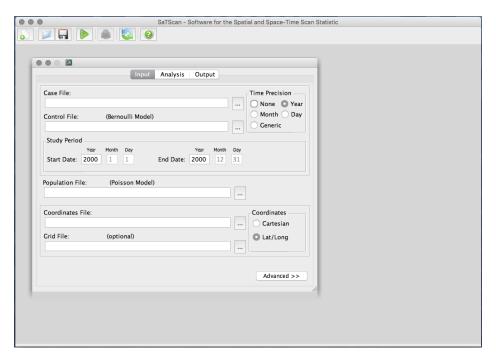
GEOG 498N/788L: Using SaTScan for Hotspot Detection

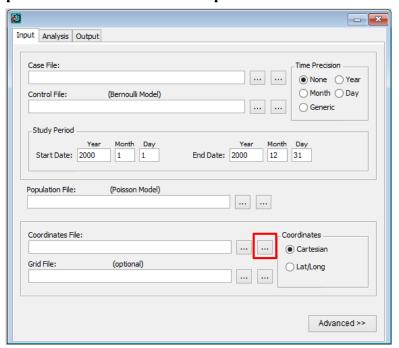
1. Download SatScan from: http://www.satscan.org/download.html
Note that you need to register for one time in order to download and use it. (Choose the correct version according to your operating system)

2. Open SatScan and start a new session:

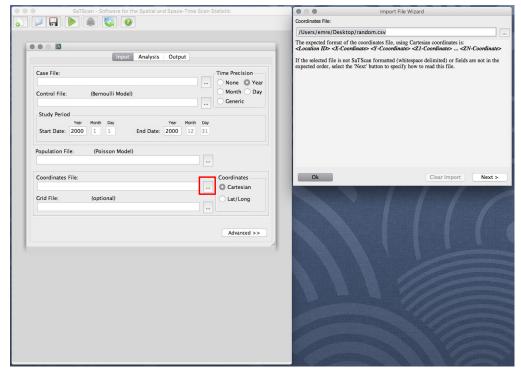




3. Import the **coordinates file** "random.csv" which is given in the lab datasets. For Windows, use the "..." button on the right as highlighted in the following picture in order to use the import wizard. Choose Cartesian coordinates.

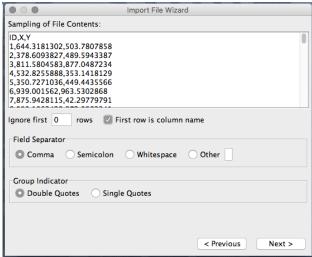


For Linux, use the import wizard by clicking the "..." button highlighted by the red box in the following picture.

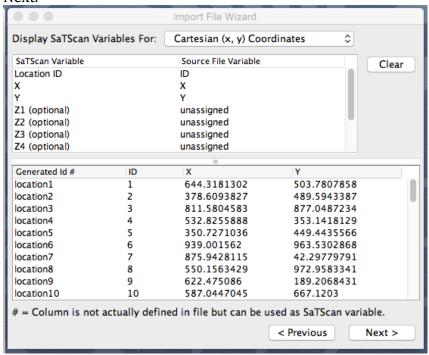


The numbers you see might now match the ones in the following picture but should be similar.

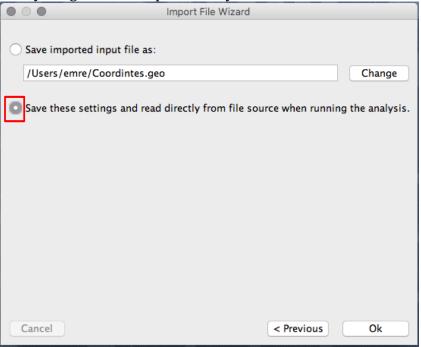
Check "First row is column name". Click "Next".



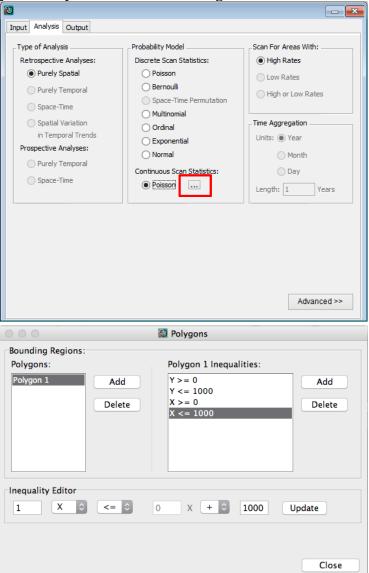
Choose "Cartesian (x, y) Coordinates" for "Display SatScan Variables For". Choose "ID", "X" and "Y" for "Location ID", "X" and "Y" in the "Source File Variable". Click Next.



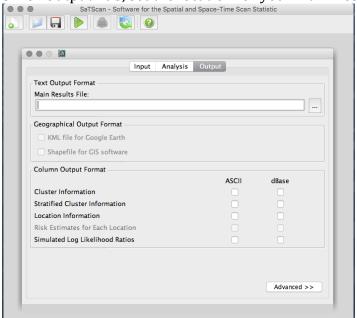
Save your generated input file so you can use it. Use the second option (in red box).



4. For Analysis Tab, choose continuous Poisson distribution and click the "..." button highlighted by the red box to add geographical boundaries (polygon) which defines your study area. Use the values given in the screen shot to create the polygon.

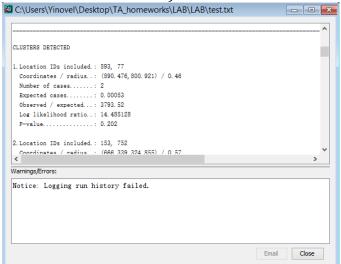


5. For Output Tab, set the location for your Main Result File. Save it as ".txt" file.



6. Now everything should be ready to go. Click the "Execute session" button to perform the analysis.

After session is completed, you should see a summary like (may not be the same due to different dataset used):



Do not worry about the "Logging run history failed" warning if seen.