Exercise „Analysis of Spatial Data" WS 2010/2011 - Information Systems and Machine Learning Lab (ISMLL) - **Prof. Dr. Alexandros Nanopoulos, Osman Akcatepe**

Exercise sheet 2

Deadline: Monday, 20.12.2010, 23.59

- Create a new spatial database named my_db (Hint: create a new database in pgAdminIII by write clicking on the Databases in the left part. In the dialogbox, select for template the template_postgis. More details can be found in the manual.).

- Load the ESRI shapefile files contained in the file orange_cnty.zip and create in the my_db database the corresponding tables. The names of the tables that you should use, can be found within the file file_list.doc, located also in orange_cnty.zip. (Hint: By unzipping each file in orange_cnty.zip, 3 related files (extensions shp, shx, dbf) are crated. To create a database table from a ESRI shapefile, use the command shp2pgsql -c [shapefile_name] public.[tablename] > [tablename].sql. where shape_filename refers to the shp (but the other two files: shx, dbf are needed as well). This command creates a .sql file that you can run from pgAdminIII. More details can be found in the manual.)

- List all the tables that have been created. For each table, give its schema (attribute names and types), and also an image of the corresponding geometry by using the tool ShapeViewer.

  Note: there is no need to have an absolute match between the tables created and the entities/relationships proposed in the previous assignment of this project.