R as a GIS: overlay/aggregate, rgeos, osmar, networks

Submitted by edzer.pebesma on Tue, 03/06/2012 - 23:20

Location: IfGI CIP pool

Objective: discovering to which extent R can be used as a GIS

General description: with the arrival of raster GIS functionality in R package raster and vector GIS functionality in R package rgeos, one could argue that R now is a GIS. This workshop will go through a number of use cases that will illustrate the strengths and weaknesses of this approach. It will also look into challenges like dealing with trajectories, and routing through networks.

Required back-ground knowledge: some previous experience with R and its spatial packages is recommended; participants are encouraged to bring their own use cases.

Software / R packages required: sp, rgdal, rgeos, raster, spacetime, osmar, potentially other CRAN packages.

9:00-10:30 Getting your data in R: rgdal, osmar

11:00-12:30 Vector GIS: rgeos

13:30-15:00 Raster GIS: raster

15:30-17:00 Challenges: trajectories, routing

Source URL: http://www.geostat-course.org/content/r-gis-overlayaggregate-rgeos-osmar-networks

Links