Introduction to GIS with R

This 1/2 day workshop will provide attendees with an introduction to doing basic GIS analyses using the R Language for Statistical Computing. After attending this workshop, you will be able to:

- get all appropriate software and packages installed and running
- know how read in a variety of vector and raster spatial data formats
- know how to conduct some basic spatial analyses
- use a variety of approaches for visualizing spatial data with R
- know how and where to get help

For more, visit the GitHub repo.

Pre-requisites

It is expected that you have some familiarity with R and RStudio, can install packages from CRAN, and understand basic R syntax.

Software

We will be using R and RStudio for this workshop. This must be installed prior to March 2. Simply email EZTech and request that R and RStudio be installed on your machine. They will push that out usually in a day or so.

Agenda

The draft agenda is below:

March 2, 2016

Time	Topic
1:00 PM - 1:15 PM	Welcome, Introductions, Logistics
1:15 PM - 2:00 PM	Setting up R to do GIS: Required Packages
2:00 PM - 2:45 PM	Reading in Raster and Vector Data
2:45 PM - 3:00 PM	*BREAK*
3:00 PM - 4:00 PM	Visaulizing Spatial Data with R
4:00 PM - 5:00 PM	Basic GIS Anslysis with R