

# Introduction to spatial data analysis in R

**Date/Location:** Friday May 19, 2017 at Kansas State University (Dickens Hall Room 207)

**Instructors:** Trevor Hefley (KSU), Mevin Hooten (CSU & USGS), Nelson Walker (KSU), and Haoyu Zhang (KSU).

**Cost:** Free to KSU graduate students, post docs, faculty (and faculty affiliates). Funding for this workshop has been provided by Shell U.S.

**Capacity:** Limited to 20 participants. Please contact Trevor Hefley to RSVP (thefley@ksu.edu).

**Target Audience:** KSU faculty, staff, and graduate students that have an interest in spatial data management and analysis. No prior experience with program R is required.

## Important

- No prior experience programming with R is required.
- You will need a laptop with power cable (we will be using it all day).
- Have R software installed on your laptop ahead of time. We prefer you use R Studio, but if you're comfortable with another version, that's fine.
- A list of required R packages will be emailed to the participants at least a day before the workshop.

## Schedule

Time	Module	Topic
8:00 am	1	Intro and Basics
9:00 am	2	Data Input/Output
10:00 am	3	Basic Graphics
11:00 am	4	Basic Statistics
12:00 pm		Lunch: On your own
1:00 pm	5	Spatial Data Types
2:00 pm	6	Spatial Data Visualization
3:00 pm	7	Basic Spatial Statistics
4:00 pm		Q & A
5:30 pm		Social at Tallgrass Tap House (or other venue TBD)