

Introduction to spatial data analysis in R

Date & Location: Friday May 18, 2018 at Kansas State University (Dickens Hall Room 207)

Instructors: Trevor Hefley (KSU), Mevin Hooten (CSU & USGS), Haoyu Zhang (KSU), and Nelson Walker (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 24 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 RStudio, but if you're comfortable with another environment, that's fine.
- A list of required R packages will be emailed to the participants 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
5:00 pm		Social & Drinks at The Bluemont Lounge