

R workshop for KDHE and Region 7 staff

This repository contains materials for a two day R workshops on the use of the R Language for statistical computing. Jeff Hollister from the Office of Research and Developments Atlantic Ecology Division will be running the workshop for Kansas Department of Health and the Environment and EPA Region 7 staff. Over the course of two days we will cover the following topics:

- Introduction to R
- Using R with KDHE relevant data
- Brief introduction to Shiny
- Reproducible Research

The goal of this workshop is to provide a solid basis for further learning in R, introduce more advanced topics, and provide some clear examples for working with KDHE relevant data.

Tentative Workshop Schedule

December 5th - 6th University of Kansas Edwards Campus

Instructors and helpers

- Jeff Hollister, USEPA, Office of Research and Development
- Steve Krabbe, USEPA, Region 7
- Dane Boring, KDHE
- Shawn Henderson, USEPA, Region 7

Workshop Schedule

Time	Topic	Instructor
Thursday, Dec. 5		
8:30AM - 8:40AM	Welcome and Introductions	Jeff
8:40AM - 9:45AM	RStudio Basics	Jeff
9:45AM - 10:15AM	The Punchline	Jeff
10:15AM - 10:30AM	<i>BREAK</i>	
10:30AM - 12:00PM	R Basics	Steve
12:00PM - 1:00PM	<i>LUNCH</i>	
1:00PM - 2:30PM	Tidy Data in R	Jeff
2:30PM - 2:45PM	<i>BREAK</i>	
2:45PM - 4:30PM	Data Viz	Jeff
Friday, Dec. 6		
8:30AM - Noon	Using R with KDHE Data	Dane
1:00PM - 2:00PM	Brief Introduction to Shiny	Steve
2:00PM - 4:00PM	Reproducible Reporting	Jeff

EPA Disclaimer

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