

Math and Stat Colloquium

Monday, Nov. 12

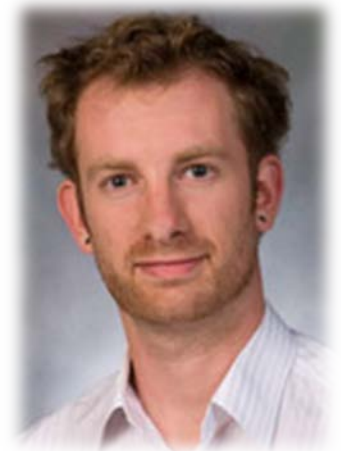
3 p.m. LIB 411

Refreshments will be served in the Animal Science Lounge at 2:30 p.m.

Speaker:

Hadley Wickham

Rice University, Texas



“The Engineering of Data Analysis”

Abstract: Data analysis, the process of converting data into knowledge, insight and understanding, is a critical part of statistics, but there's surprisingly little research on it. In this talk I'll introduce some of my recent work, including a model of data analysis. I'm a passionate advocate of programming that data analysis should be carried out using a programming language, and I'll justify this by discussing some of the requirements of good data analysis (reproducibility, automation and communication). With these in mind, I'll discuss a powerful set of tools for better understanding data: ggplot2 and plyr.