

Statistical Analysis Using R SETAC 2009

Instructor

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1:00-1:15

Introduction

1:15-2:00

Introduction to R

Statistical software and statistical programming
Installation and setup – easy as 1, 2, 3!

Getting data in
Simple Plotting
Managing data

2:00-3:00

Null Hypothesis Tests

One Sample
Two Samples
ANOVA

3:00-3:15

Break

3:15-4:45

Statistical Modeling

What is a statistical model anyway?

General Linear Model (or – ANOVA, ANCOVA, and REG – What's the difference?)

Generalized Linear Model (or – how to sidestep those pesky assumptions!)

Questions/Answers

4:45-5:00

Wrap-up