

Data Analysis R Training

April 29-30, 2015

EPA Region 8 Office

Conference Center (2nd floor) - Rocky Mountain Room

1595 Wynkoop Street, Denver, Colorado

Instructor: John Van Sickle, Environmental Statistics

Agenda

Tuesday, April 28 – Computer Check

3:00 – 5:00 pm **NOTE:** All participants must check in with laptop

Wednesday, April 29 – R Training

8:30 am Welcome – *Tina Laidlaw and Tom Johnson, U.S. EPA Region 8*

Introductions – *Tammy Taylor, CTIC*

9:00 am Reading, exploring, merging the input data

10:00 am Break

10:15 am Making estimates of Good/Fair/Poor extent

11:30 am Lunch (*on own*)

1:00 pm Making estimates (continued)

2:30 pm Break

2:45 pm Work on your own to make estimates for individual states

4:30 pm Adjourn

Thursday, April 30 – R Training

8:30 am Estimating relative and attributable risks of stressors

10:30 am Graphical displays of extent and risk estimates

11:30 am Lunch (*on own*)

1:00 pm Graphical displays (continued)

2:00 pm Miscellaneous topics of interest, such as:

- Making your own condition classes
- Dealing with missing-data bias,
- Estimating conditions as a proportion of lake area rather than lake numbers
- Improving the precision of extent and risk estimates

3:00 pm Work on your own to extract and plot extent and/or risk estimates for your State.

4:30 pm Adjourn