



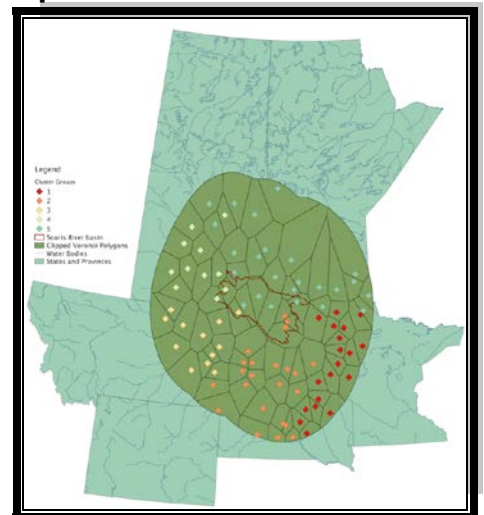
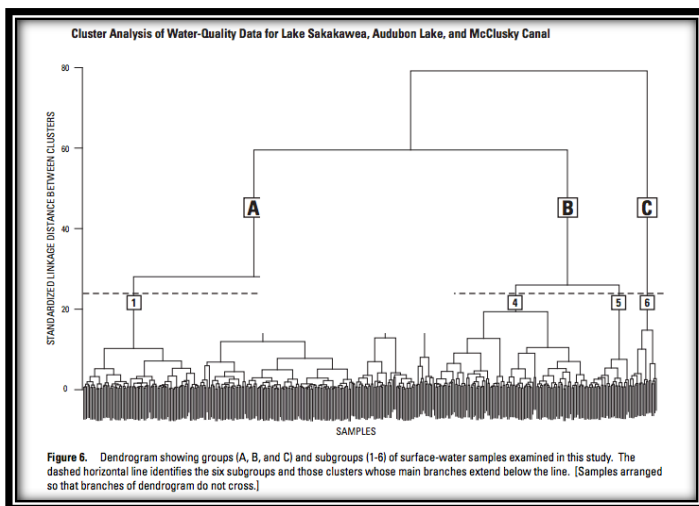
NWQMC Webinar Series

Multivariate Statistical Analysis in Water Quality

Presented by

Karen R. Ryberg, Research Statistician, U.S. Geological Survey

Wednesday, November 29th at 12:00 -1:00 p.m. EST



Multivariate statistical techniques are the application of statistics to simultaneous observations and can include the analysis of more than one outcome (dependent) variable. Good multivariate analysis starts with exploratory and graphical analyses to reveal potential relations in the data and to highlight potential outliers. First, this presentation will discuss how to extend univariate and bivariate methods for graphical analysis to multivariate data, as well as methods unique to multivariate data. Second, multivariate outlier detection will be presented. Third, there will be a brief discussion of multivariate statistical analysis methods, such as multiple regression, principal component analysis, and cluster analysis, including examples and suggestions as to when one might want to use these techniques.

The webinar is free; pre-registration is required. Please login 10 minutes early.

To register for this session:

Go to:

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and register at the bottom of the page. You will receive a confirmation email with instructions for joining the session.