Data Visualization and the Grammar of Graphics

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1:00 pm in DERR 227
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Abstract:  In this talk I will discuss principles of graphics developed by Leland Wilkinson and Hadley Wickham and classic results on graphical perceptions by Cleveland and McGill.  These principles allow us to systematically make graphics that highlight the information we want.  I will show some examples using the R package ggplot and some other innovative examples of data visualization.

Dr. White has a Ph.D. in Statistics from Michigan State University, is a Professor of Statistics and has interests in Mathematics and Statistics Education.  He has co-authored several papers concerning the ability of students to visualize functions and work with graphs.