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Applications of R to Introductory and Intermediate Statistics.

In this presentation we would like to explore using freely available R Statistics Package to teaching Statistics at various levels to create codes which provide efficient, hands-on Scientific Computing tools to enhance students' learning of Statistics concepts and real world Data Analysis. Among the topics considered are graphical Data Analysis with ggplot2, regression, ANOVA, ANCOVA, repeated measures and mixed design, MANOVA etc... (Received August 29, 2014)