

Revolution in Statistics: An Appreciation of John W. Tukey

Karen Kafadar

John Tukey's impact on statistics, and on science in general, is broad and lasting. This talk will present some of his far-reaching and forward-thinking contributions, with a special emphasis on those that led to the development of robust methods and exploratory data analysis.

In view of today's emphasis on data mining techniques, the recollection of Tukey's influence is especially timely.

Key words: robust methods, exploratory data analysis, statistical graphics, biweight, boxplot, stem-and-leaf diagrams, Gaussian distributions