Humans have a natural gift for visual processing; we can readily interpret patterns in fractions of a second. Oddly, when researchers analyze their data, they fail to rely on their advanced visual processing system; instead of interpreting graphs, they tend to rely on non-intuitive statistical estimates. The reason for this is because the most popular statistical software packages make it very difficult to produce plots. This paper introduces Flexplot, an open-source software package in R that is designed to make it easy to produce statistical plots. Furthermore, this paper demonstrates how to use Flexplot for the most common statistical procedures.