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"There is no excuse for failing to plot and look!"

Visualization is everywhere, be it a subway map, stock prices or the medals table on a newspaper's frontpage. We can distinguish between the visualization of qualitative information and the visualization of quantitative information. The latter is where statistical graphics comes into play, whereas the qualitative or structural visualization is the domain of InfoVis. Statistical graphics itself can further be subdivided into exploration, diagnostics and presentation. This talk elaborates on the various aspects of data visualization and will focus on statistical graphics for data exploration in particular. Exploratory data analysis (EDA) is at the core of any analysis of data, and interactive statistical graphics one of its most effective tools. We will have a look at the R software as well as the Mondrian visualization package to illustrate the power of graphical data analysis, which has its strength in deducing new insights and easily communicating these insights to domain experts.

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