

Expanding R for consistent exploration of missing data

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Abstract

Missing values are ubiquitous in data and need to be explored and handled in the initial stages of analysis. This paper describes a package, **naniar**, for exploring missing data dependencies with minimal deviation from the common workflows of ggplot and tidy data. Typically, ggplot2 throws a warning about missings but then omits them for plotting. This extension builds data structures and functions that ensure missings are plotted easily and enables imputations to be examined.