The package r2lh (R to LaTeX or HTML) provides facilities to export some R analysis (univariate and bivariate) in a LaTeX or HTML format. The main goal of this package is to facilitate the preliminary exploration of data by running automatically some classical analysis.

Univariate analysis (functions rtlu and rthu) describes a single variable X. According to X nature (nominal, ordinal, discrete -numeric with few modalities- or continuous -numeric with many modalities-), it computes frequencies, mean, standard deviation, quartiles, boxplot, barplot and histogram. The univariate analysis has been presented in [1].

Bivariate analysis (function rtlb and rthb) considers two joint variables Y ∼ X. A first part is descriptive: frequencies, mean, standard deviation, quartiles of Y relatively to each modalities of X when applicable, juxtaposed boxplot, barplot, densities. A second part is more about testing the existence of a link between Y and X. It computes both parametric and non-parametric tests, trying many possible test. It also display some graphics helping the user to decide which test is more relevant (qqplot, densities...)

To illustrate its way of working, r2lh uses a data set resulting from enquiries led by some second year students of the University of Paris Ouest that had decided to investigate the “Exam Cheating in French Universities” [2].

References
