A Template for Two or One-Column Vignettes

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Using the dataset of housing prices in New York city that identifies the price and the distinguishing features of each home, we hoped to find out whether there is an accurate way to predict the price of a home based on its specific characteristics. It was found through using a combination of simple regression, comparison of a backward and forward model and by comparing the performance of a multivariate regression model to that of the simple regression model that the variables with the highest correlation to housing prices in New York and therefore serve as the best predictors of Price are Living.Area, Land.Value and Bathrooms with Living.Area having the best rate for prediction of overall Price.

Introduction.

- The USA was hit hard by the COVID pandemic and New York City in particular was the hardest hit city worldwide.
- Hence, the New York real estate market is a buyer's market with total sales to listing ratio of 0.12 i.e. the supply of homes is much higher than the demand for homes. Hence, it is a buyer's market.

What set of factors best predicts price in a linear model?

Data set. Per common academic best practice, you can include your department, institution, and complete address, with the ZIP/postal code, for each author. Use lower case letters to match authors with institutions, as shown in the example. Authors with an ORCID ID may supply this information at submission.

Analysis.

Results.

Discussion and conclusion.

References. Here we differ from PNAS and suggest natbib. References will appear in author-year form. Use `\citet{}`, `\citep{}`, etc as usual.

We default to the `jss.bst` style. To switch to a different bibliography style, please use `biblio-style: style` in the YAML header.

Acknowledgments. This template package builds upon, and extends, the work of the excellent rticles package, and both packages rely on the PNAS LaTeX macros. Both these sources are gratefully acknowledged as this work would not have been possible without them. Our extensions are under the same respective licensing term (GPL-3 and LPPL (>= 1.3)).