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Simulating Linear Model Data with simrel

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Abstract

Weather to compare new methods, algorithm and model or to access their properties, using simulated data is common in most research. This paper introduces an R-package simrel which provide a simple interface and few parameters to simulate multi-response linear model data with with wide range of properties. A shiny web application gives the package a friendly and easy-to-use interface for users to download data and explore various properties of the data. In addition, two examples are also presented as use cases of the package.

Keywords: simrel, simulation, linear model, R.

1. Introduction

This template demonstrates some of the basic latex you'll need to know to create a JSS article.

1.1. Code formatting

Don't use markdown, instead use the more precise latex commands:

- Java
- plyr
- print("abc")

2. R code

Can be inserted in regular R markdown blocks.

```
x <- 1:10
x
```

[1] 1 2 3 4 5 6 7 8 9 10

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