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# Visualising spatial data with R, from base to shiny

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#### Abstract

This article traces the development spatial data visualisation methods and capabilities in statistical statistical software since the beginning of the 21<sup>st</sup> Century. Although the focus is on R, the progression from rudimentary and inflexible bitmap images to interactive online maps is applicable to other languages for statistical programming. The paper is primarily a historical review of the evolving state of the art, with the finding that making informative and aesthetically pleasing maps with R has become a more intuitive and interactive process over time. A secondary purpose of the paper is dissemination of best practice (with reproducible and extensible examples) in the field with a view to the future developments in the context of R's rapidly evolving spatial capabilities.

Keywords: visualisation, spatial data, 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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