

Google Motion Charts with R: Package Vignette

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Abstract

The `GoogleMotionChart` package provides functions to format a `data.frame` in R into a `DataTable` as used by the Google Visualisation API so it can be embedded into HTML-page which generates motion chart rendered within a browser using Flash.

turn a in R into a Google Motion Chart.

The standard motion chart is essentially an animated bubble chart, which allows you to explore several indicators over time. The idea of motion chart was popularised by Hans Rosling at a Ted talk about social and economic developments in the world in 2006

1 Introduction

Idea Hans Rosling

When to use it one variable to investigate over time with measurements and several dimensions

Examples

public data

gapminder

R.rsp

2 Google Motion Chart API

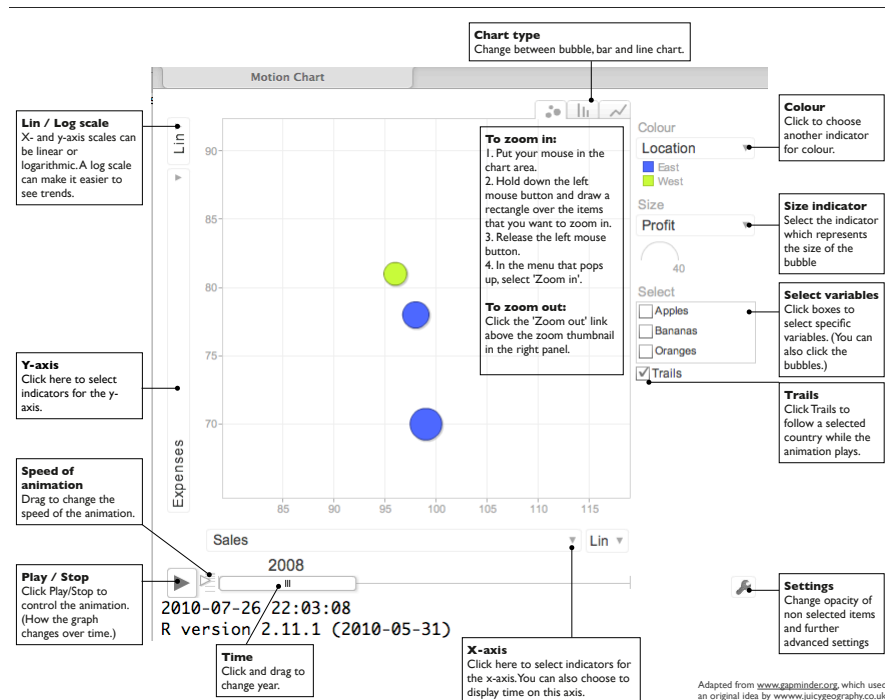
The Google Motion Chart is part of Google Visualisation API. The chart is rendered within a browser using Flash.

Data stays local

Output is html code with reference to Google's Visualisation API.

All code and data are processed and rendered in the browser. No data is sent to any server.

Example



3 Package overview

[Goo10]

The full R code from the book is provided in the demos for the package The source scripts can be found in the

4 Create dynamic pages

browseRsp

References

[Goo10] Google Inc., <http://www.google.com/publicdata/home>. *Google Public Data Explorer*, 2010.