

R for Exploratory Data Analysis

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Stratusfy: Data Science and Cloud Technology.

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Overview I

Quick Notes

Code and documentation available at
[github/jimcrozier/r-meetup-rattle](https://github.com/jimcrozier/r-meetup-rattle)

Topics

Three topics for data exploration:

- rattle package
- knitr package
- shiny application

Bonus:

Bonus: R + javascript for geomapping

Introduction

Topics: rattle

Topics: knitr

Topics: shiny

Bonus:
javascript with
R

Sources

rattle I

rattle Overview

rattle is a free gui available from Togaware for R

- I am not a rattle expert
- Loads of example available online
- Covering the very basics here

Getting started

Install and load gui

```
install.packages(rattle, dependencies=T)
```

- This takes some time due to the large number of dependencies

rattle II

rattle()

Make it work

Live demo

data(iris)

Overview

knitr is a single best tool that you can learn

Introduction

Topics: rattle

Topics: knitr

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Overview

copy and paste rattle log into block

- Convert crs and crv to list()
- Still working out kinks with plots

Overview

Tip: use cat() to write out .tex and looping to create integrated EDA

"Intelligence is the faculty of making artificial objects, especially tools to make tools." - Henri Bergson

shiny I

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Javascript with R I

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