#### Jim Crozier

Introduction

Topics: rattl

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javascript with R

# R for Exploratory Data Analysis

Jim Crozier

Stratusfy: Data Science and Cloud Technology.

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## Overview I

#### R for Exploratory Data Analysis

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#### Introduction

Topics: rattle

Bonus: avascript with

## Quick Notes

Code and documentation available at github/jimcrozier/r-meetup-rattle

## Topics

Three topics for data exploration:

- rattle package
- knitr package
- shiny application

### Bonus:

Bonus: R + javascript for geomapping

### 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)

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Introduction

Topics: rattle

opics: Knitr

Bonus: avascript witl

### Overview

knitr is a single best tool that you can learn

## 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

Make it work

Interactivity is where data science is headed. shiny is easy way to interact your models and your views.

Make it work

Live demo

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Introduction

opics: ratt

Opics: knitr

Topics: shiny

avascript with

# Javascript with R I

Make it work

Use R, JSON and javascript (here the leaf package) to create interactive elements

Make it work

Live demo Rickshaw

Make it work

Live demo Leaf

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opics: rati

Bonus: javascript with R