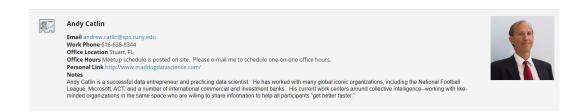
Introduction to DATA607 CUNY SPS



R Markdown from R Studio - Intro

R Markdown provides an authoring framework for data science. You can use a single R Markdown file to both

• save and execute code *generate high quality reports that can be shared with an audience

R Markdown documents are fully reproducible and support dozens of static and dynamic output formats. This 1-minute video provides a quick tour of what's possible with R Markdown:

Installation

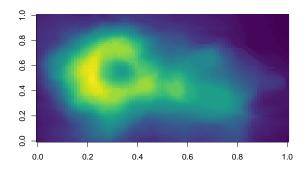
Like the rest of R, R Markdown is free and open source. You can install the R Markdown package from CRAN with:

install.packages("rmarkdown")

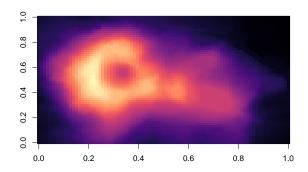
R Markdown Cheatsheet R Markdown Reference Guide

Viridis colors

Code below demonstrates to color palettes in the viridis package. Each plot displays a contour map of the Maunga Whau volcano in Auckland, New Zealand.



Magma colors



```
colorFunc <- "heat.colors"
# colorFunc <- "terrain.colors"
# colorFunc <- "topo.colors"
# colorFunc <- "cm.colors"
# colorFunc <- "rainbow"</pre>
```

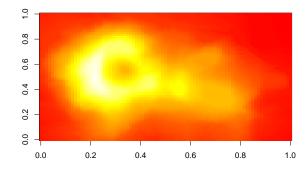


Figure 1: Heat color example

Simple Demo languages

Bash

ls *.Rmd

Python

```
x = 'hello, python world!'
print(x.split(' '))
```