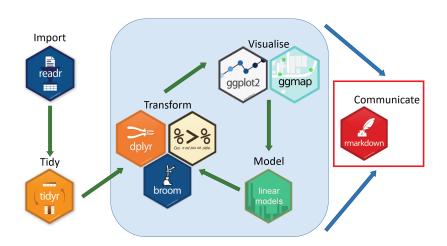
Presenting Your Analyses with R Markdown

Kevin Donovan

UNC-Chapel Hill and IBIS Network

12/10/2020



Analysis contains:

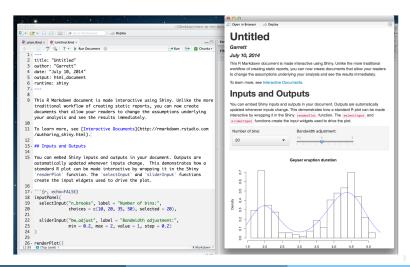
- Code
- Tables
- Plots
- Notes

Everything in separate files



R Markdown

Single file containing all pieces



Can compile output file into many different formats

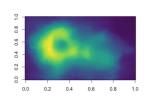


Can compile output file into many different formats

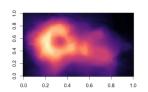
Viridis Demo

The code below demonstrates two color palettes in the <u>viridis</u> package. Each plot displays a contour map of the Maunga Whau volcano in Auckland, New Zealand.

Viridis colors image(volcano, col = viridis(200))



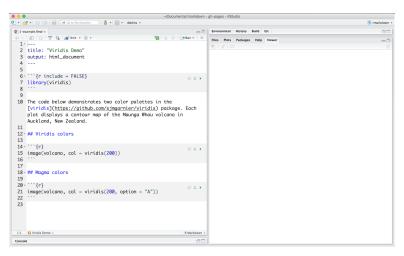
Magma colors image(volcano, col = viridis(200, option = "A"))





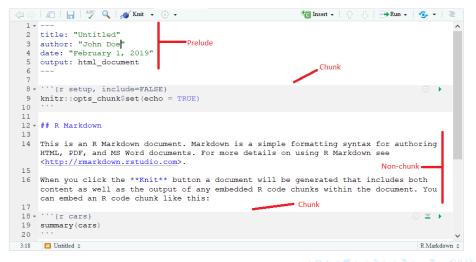
RMD File

R Markdown defined by "enhanced" script = .RMD file



RMD File

Script Structure



Kable with Markdown

Publication Quality Tables

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,							
	mpg	cyl	disp	hp	drat	wt	A subset of mtcars.
Mazda RX4	21.0	6	160	110	3.90	2.620	
Mazda RX4 Wag	21.0	6	160	110	3.90	2.875	
Datsun 710	22.8	4	108	93	3.85	2.320	
Hornet 4 Drive	21.4	6	258	110	3.08	3.215	
Hornet Sportabout	18.7	8	360	175	3.15	3.440	
Valiant	18.1	6	225	105	2.76	3,460	





Song of the Session

Bad Boy by BIGBANG Blue by BIGBANG

