**R Markdown and Shiny workshop @ RStudio Conference**

1/31 & 2/1/2018

All code can be found: <https://github.com/mine-cetinkaya-rundel/rstudioconf-2018-intro-shiny-rmarkdown>

R Markdown stuff

* Comment out several lines of code at once Command + Shift + C
* Insert pipe automatically (that’s what she said) Command + Shift + M
* Use Option to select columns in R Scripts HOLY SHITTTTT
* Top bit is called the YAML
  + Always have a table of contents (toc: yes) and ideally a floating table of contents that follows you down the page (toc\_float: TRUE)
* Add a new chunk by Insert 🡪 R, or ctrl + opt + I
* Text can be \*italic\* or \*\*bold\*\*
* #headings and…
  + ## subheadings
* [Link](<https://www.matthewsavocaecology.com>)
* ![Images](path/filename.jpg) 🡨 for local files
* ![Images](<https://www.flickr.com/photos/matthewsavoca/28080752859/in/datetaken-public/>) 🡨 from the web
* LaTex equations!
  + $ LaTex code $ for in line
  + $$ LaTex code $$ for new line
* Tables!! Dashes separate header row from content cells and | separate columns. Colons are used to align columns (see workshop presentation for more)
* For bulleted list, we need to start a new line and then use dashes “-” or asterisk “\*” for each member of the list. The dash is probably better to use because asterisk is used for italics and bold formatting.
* To change THEME, go to settings wheel, output options, choose theme. I like Yeti or Cosmo
* Use backward ticks `` to embed R code into text portion of Rmd document.
* To output to a ninja presentation:

Shiny notes:

* **To launch app, I need to write install.packages(“callr”) AND install.packages(“reprex”)** Super annoying issue lasting all day
* To launch app you need to have a folder with data and app.R in there.   
  app.R needs to have ui (user interface) and server components
* For text editing of all sorts, including hyperlinks, images, etc. this HTML tag glossary is *super* helpful: <https://shiny.rstudio.com/articles/tag-glossary.html>
* Flexdashboard is a way to make your interactive figures sexier
  + This is combining R Markdown and Shiny