

Introduction to R Markdown

An eco-data-science workshop

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What and why?

What is this?

- Markdown is:
 - a lightweight markup language
 - easy-to-read, easy-to-write plain text that gets converted into HTML
- R Markdown is:
 - The above + R Code embeded to create graphs, tables, values
- **knitr**, which is a package, helps us convert *.Rmd files into other formats (PDF, Word, HTML...)
 “But remember, Markdown was designed for HTML, and LaTeX was for PDF and related output formats.” Yihui Xie
- See Yihui’s discussion on Markdown vs. LaTeX

Why?

- It fosters reproducibility.
- It is great for research.

My first Rmd (just text)

Types of output

YAML

Basic syntax

Images

References

Hands-on (with code)

Figures

Tables

Nicer, fancier tables

Show and tell