

# RStudio Presenter

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# RStudio Presentation

- RStudio created a presentation authoring tool within their development environment.
- If you are familiar with slidify, you will also be familiar with this tool
  - Code is authored in a generalized markdown format that allows for code chunks
  - The output is an html5 presentation
  - The file index for the presenter file is .Rpres, which gets converted to an .md file and then to an html file if desired
  - There's a preview tool in RStudio and GUIs for publishing to Rpubs or viewing/creating an html file

# Authoring content

- This is a fairly complete guide
  - <http://www.rstudio.com/ide/docs/presentations/overview>
- Quick start is
  - file then New File then R Presentation
  - (alt-f then f then p if you want key strokes)
  - Use basically the same R markdown format for authoring as slidify/knitr
    - Single quotes for inline code
    - Tripple qutoes for block code
    - Same options for code evaluation, caching, hiding etcetera

# Compiling and tools

- R Studio auto formats and runs the code when you save the document
- Mathjax JS library is loaded by default so that  $x^2$  yields  $x^2$
- Slide navigation button on the preview; clicking on the notepad icon takes you to that slide in the deck
- Clicking on `more` yields options for
  - Clearing the knitr cache
  - Viewing in a browser (creates a temporary html file in `AppData/local/temp` for me)
  - Create a html file to save where you want)
- A refresh button
- A zoom button that brings up a full window

# Visuals

- R Studio has made it easy to get some cool html5 effects, like cube transitions with simple options in YAML-like code after the first slide such as `transition: rotate`
- You can specify it in a slide-by-slide basis

# Here's the option "linear"

- Just put `transition: linear` right after the slide creation (three equal signs or more in a row)
- Transition options
  - [http://www.rstudio.com/ide/docs/presentations/slide\\_transitions\\_and\\_navigation](http://www.rstudio.com/ide/docs/presentations/slide_transitions_and_navigation)

# Hierarchical organization

- If you want a hierarchical organization structure, just add a `type: typename` option after the slide
- This changes the default appearance
  - [http://www.rstudio.com/ide/docs/presentations/slide\\_transitions\\_and\\_navigation](http://www.rstudio.com/ide/docs/presentations/slide_transitions_and_navigation)
- This is of type `section`

Here's a subsection



# Changing the slide font

- Add a `font-family: fontname` option after the slide.
- Specified in the same way as css font families
  - [http://www.w3schools.com/cssref/css\\_websafe\\_fonts.asp](http://www.w3schools.com/cssref/css_websafe_fonts.asp)