

SOCIAL DATA SCIENCE

DATA SCIENCE TOOLS

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WHY USE MARKDOWN?

Easy to learn and use.

Focus on **content**, rather than **coding** and debugging **errors**.

It's flexible. Markdown was created to simplify HTML, but with the right tools, your Markdown files can easily be converted to many different formats!

WHAT IS MARKDOWN?

Markdown is a particular type of markup language.

Markup languages are designed produce documents from plain text.

Some of you may be familiar with *LaTeX*. This is another (less human friendly) markup language for creating pdf documents.

LaTeX gives you much greater control, but it is restricted to pdf and has a **much** greater learning curve.

markdown was created for the web (you know it if you use Github, Stackoverflow, etc.)

WHAT IS `rmarkdown`?

`rmarkdown` is a new package from RStudio that merges a lot of technologies in an exciting way.

In fact, in RStudio now, you integrate R code into your Markdown document and render as HTML/pdf/Word in the click of a button!

Suppose we want to create a nested list

- fruits
 - apples
 - macintosh
 - red delicious
 - pears
 - peaches
- vegetables
 - broccoli
 - chard

```
\begin{itemize}
\item fruits
\begin{itemize}
\item apples
\begin{itemize}
\item macintosh
\item red delicious
\end{itemize}
\item pears
\item peaches
\end{itemize}
\item vegetables
\begin{itemize}
\item brocolli
\item chard
\end{itemize}
\end{itemize}
```



```
<ul>
  <li>fruits
    <ul>
      <li>apples
        <ul>
          <li>macintosh</li>
          <li>red delicious</li>
        </ul></li>
      <li>pears</li>
      <li>peaches</li>
    </ul></li>
  <li>vegetables
    <ul>
      <li>broccoli</li>
      <li>chard</li>
    </ul></li>
</ul>
```

- * fruits
 - apples
 - macintosh
 - red delicious
 - pears
 - peaches
- * vegetables
 - broccoli
 - chard